
Bulletin 582

April, 1954

REPORT ON INSPECTION
COMMERCIAL FEEDING STUFFS
1953



H. J. FISHER
Chief Chemist

THE CONNECTICUT AGRICULTURAL EXPERIMENT
STATION, NEW HAVEN, CONNECTICUT

REPORT ON INSPECTION

COMMERCIAL FEEDING STUFFS

1953



H. J. FISHER

Chief Chemist

THE CONNECTICUT AGRICULTURAL EXPERIMENT
STATION, NEW HAVEN, CONNECTICUT

CONTENTS

	PAGE
THE FEED LAW	3
REGULATIONS	3
REGISTRATIONS	7
INSPECTION, SUMMARY OF	39
Commercial Feeding Stuffs	39
Vitamin D Carriers	39
Medicated Feeds	40
Fish Foods	40
Miscellaneous Feeds	41
Biological Specimens Examined for Poisons	42
Check Feeds	43
DETERMINING GUARANTIES	43
ANALYSES	
Table 1. Commercial Feeds	45
Table 2. Vitamin D Carriers	109
Table 3. Sulfaquinoxaline Feeds	113
Table 4. Nitrophenide Feeds	116

COMMERCIAL FEEDING STUFFS

REPORT ON INSPECTION

1953

H. J. FISHER¹

THE FEED LAW

The statute relating to concentrated commercial feeding stuffs (Chapter 320, General Statutes, Revision of 1949) imposes upon the Station (1) all duties incidental to the annual registration of feeds offered for sale in the State; (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law.

The enforcement provisions of the statute are delegated to the Food and Drug Commissioner.

The following regulations were issued by the Director of this Station and the Food and Drug Commissioner in February, 1949:

REGULATIONS

REGULATION 1. FEEDS NOT CLASSED AS CONCENTRATED

COMMERCIAL FEEDING STUFFS

(Sec. 6740)

It is held that the law exempts from classification as concentrated commercial feeding stuffs, and therefore from registration: (1) roughages such as hays, straws, corn stover and ensilage; (2) whole grains and mixtures thereof; (3) meals made from whole grains when not mixed with other materials or with each other; (4) feed ground from whole grain and sold by the manufacturer directly to the consumer; and (5) feed mixed according to a formula furnished by the consumer, for his own use.

Under clause (2), above, registration will not be required for mixtures in which the ingredients, excepting corn, are whole grains. Corn, if present, may be whole or cracked.

Clause (4) refers to feed ground from materials furnished by the consumer.

¹Analyses are by Mr. O. L. Nolan, Miss Helen Kocaba, Mrs. Janice Lewis and Mrs. Gillian Rose; biological assays under direction of Dr. R. B. Hubbell; microscopic examinations by Miss Janetha Shepard; and sampling by Mr. Richard Nichols. Compilations are by Miss Evelyn Caputo, Mrs. Nancy McClellan, Mrs. Shirley Alfonso and Mrs. Barbara Peckham.

Under clause (5) feed is regarded as "mixed to order" and must be so tagged together with the name of the customer for whom it is mixed, or otherwise identified to distinguish it from regular brands offered for general sale. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand and subject to registration and other provisions pertaining to feeds in general.

REGULATION 2. METHOD OF LABELLING (Sec. 6741)

All concentrated commercial feeding stuffs, other than vitamin D carriers, must be labelled either by a statement printed on the bag or upon a properly attached tag; in the case of concentrated feeding stuff sold in bulk, a certificate which shall contain the information otherwise required to appear upon the bag or upon the tag, may be issued by the dealer in lieu thereof.

The use of wire or any metal in affixing tags is prohibited by law.

The law requires a statement of (1) the net weight of the feed contained in the package; (2) the name, brand or trademark, under which the feed is sold; (3) name and address of the manufacturer or importer; (4) the minimum percentages of (a) crude protein and (b) crude fat, and the maximum percentage of (c) crude fiber contained in the feed; (5) the separate ingredients of which the feed is composed.

While the law requires only a statement of the items enumerated above, no objection will be raised to more complete statements of chemical composition or formula.

REGULATION 3. CONCERNING VITAMIN D CARRIERS

Vitamin D carriers are required to be registered in the same manner and under the same conditions as obtain for feeds in general.

Information to be given on labels and in applications for registrations is (1) name of product; (2) vitamin D potency in terms of A. O. A. C. chick units per gram; (3) name and address of manufacturer, distributor or other person responsible for the product; and (4) on the label, a statement of net weight or volume.

The A. O. A. C. chick unit is the vitamin D activity produced by one U. S. Pharmacopoeia unit of vitamin D from the U.S.P. "Reference Cod Liver Oil", determined by the method of assay adopted by the Association of Official Agricultural Chemists.

REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

Cottonseed meal, linseed meal, soybean meal, and other vegetable feeds that are sold as fertilizer, are required to be registered under the provisions of the fertilizer law in addition to registration as feeds. If sold exclusively for one or the other of these purposes, the articles may be registered only under the law which applies.

For such of these articles as are used for fertilizer purposes chiefly or entirely as sources of nitrogen, only nitrogen (or protein) need be declared in the application for registration as fertilizer; and the tags or labels generally attached to such articles when intended for feeding purposes will be acceptable for them when sold as fertilizer.

REGULATION 5. DUTIES OF MANUFACTURERS, JOBBERS AND
DEALERS WITH REFERENCE TO REGISTRATION
(SEC. 6742)

All concentrated commercial feeding stuffs, including vitamin D carriers, must be registered with The Connecticut Agricultural Experiment Station annually on January 1, or before they are offered for sale. Registration blank forms are supplied by the Station.

Manufacturers, jobbers or individuals shipping feeds into Connecticut will be expected to register their brands and pay the necessary fees thereon. *Connecticut dealers should assure themselves that the brands they handle are properly registered and labelled. In case the manufacturer or jobber outside the State neglects or refuses to register, the dealer who handles such feeds will be held responsible for such registrations, registration fees and other legal requirements.*

Dealers within the State who mix their own brands are responsible for the registration and proper labelling thereof.

REGULATION 6. DEFINITIONS OF TERMS USED IN THE LAW
AND OF OTHER TERMS

Person. The term "person" imports the singular or the plural as the case demands; and includes corporations, companies, societies and associations.

Importer. The term "importer" is defined in the act.

Brand. It is held that a distinct brand name, or a distinct analysis, constitutes a distinct brand.

Definitions for Feeding Stuffs. The definitions and standards for feeding stuffs adopted from time to time by the Association of American Feed Control Officials are accepted as official in carrying out the provisions of this law; and the rules and regulations as adopted by that association are accepted as far as possible and when not inconsistent with the Connecticut Statutes.

REGULATION 7. METHODS OF ANALYSIS
(SEC. 6741)

The methods of analysis employed shall be those prescribed by the Association of Official Agricultural Chemists, wherever such methods have been adopted for the determinations desired.

REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or condimental properties; nor does it include products consisting of supplemental minerals.

REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS

The same feed offered in different physical forms, e. g., mash and pellets, requires but one registration.

REGULATION 10. REVISIONS AND SUBSTITUTIONS OF REGISTRATIONS

A feed registration after being filed may be revised without payment of an extra registration fee.

A brand of feed duly registered and subsequently discontinued may be replaced by another brand for the unexpired period of registration without payment of an extra registration fee.

REGISTRATIONS

For the period January 1, 1953, to December 31, 1953, 237 firms registered 1,367 brands of feeding stuffs, and 15 firms registered 50 brands of vitamin D carriers.

As required by statute the registrations are listed as follows:

Ackerman-Beardsley-Bennett, Inc., Chamber of Commerce Bldg., P.O. Box 1087, Albany 1, N. Y.

Corn Distillers Dried Grains

Acme-Evans Co., Inc., 902 W. Washington Ave., Indianapolis 9, Ind.

Acme Wheat Bran

Acme Wheat Standard Middlings with Screenings

Adams Packing Association, Inc., Auburndale, Fla.

Adams Dried Citrus Pulp

Albers Milling Co., 6130 Avalon Blvd., Los Angeles, Calif.

Calf Manna

Suckle

Albion Alfalfa Mill, Inc., Albion, Neb.

Beaver Brand 17% Dehydrated Alfalfa Meal

Allied Mills, Inc., 3400 Board of Trade Bldg., Chicago, Ill.

June Pasture

Sugarine 16% Dairy Mash

Wayne Breeder Mash

Wayne Calf Meal

Wayne Calfnip (A Milk Replacer for Calves)

Wayne Calf Starter

Wayne Calf Supplement

Wayne Chick Feed

Wayne Chick Starter

Wayne 24% Dairy Feed

Wayne Dairy Mixer

Wayne Dairy Mixer "C"

Wayne 16% Dairy Ration

Wayne 20% Dairy Ration

Wayne 26% Egg & Breeder

Wayne 26% Egg & Breeder Supplement

Wayne Egg Mash

Wayne Fattening Pellets

Wayne Fitting Ration

Wayne Flushing Mash

Wayne Growing Mash

Wayne H-A-D Krums

Wayne Horse Feed

Wayne Mash Layer

Wayne Mash Mixer (All Purpose Poultry Concentrate)

Wayne 16% Milk Producer

Wayne Mink Meal

Wayne Pork Maker

Wayne Poultry Fattener

Wayne Rabbit Ration

Wayne Ranch Meal

Wayne Tail Curler

Wayne Tail Curler "Jr."

Wayne Test Cow Ration

Allied Mills, Inc., 3400 Board of Trade Bldg., Chicago, Ill.—Cont.

Wayne Turkey Fitting Ration
Wayne Turkey Growing Mash
Wayne Universal Breeder (An All Mash Feed)
Wayne Universal Egg (An All Mash Feed)
Wayne Universal Grower (An All Mash Feed)
Wayne Universal Turkey Breeder Mash
Wayne Universal Turkey Grower (An All Mash Feed)

American Crystal Sugar Co., 600 Boston Bldg., Denver, Col.

Dried Beet Pulp
Molasses Dried Beet Pulp

American Maize Products Co., 100 East 42nd St., New York 17, N. Y.

Amaizo Corn Oil Meal
Amaizo Gluten Meal
Cream of Corn Gluten Feed

Anheuser-Busch, Inc., St. Louis 8, Mo.

Anheuser-Busch Brand Corn Gluten Feed
Budweiser Brewers' Dried Grains

Archer-Daniels-Midland Co., 600 Roanoke Bldg., Minneapolis 2, Minn.

Archer Quality 32% Pro. Expeller Linseed Oil Meal
Archer Quality 36% Pro. Linseed Oil Meal Solvent Extracted
Archer Quality 44% Pro. Solvent Extracted Soybean Oil Meal

Ashcraft-Wilkinson Co., 601 Trust Co. of Ga. Bldg., Atlanta 3, Ga.

Sweet Suni-Citrus Pulp (reg. for Suni-Citrus Products Co.)

Edward R. Bacon Grain Co., 177 Milk St., Boston 9, Mass.

Bacon's Gluten Feed

E. W. Bailey & Co., Inc., Montpelier, Vt.

Bailey's Pennant Brand Ace-Hi Layer
Bailey's Pennant Brand Calf Starter
Bailey's Pennant Brand Laying Mash
Bailey's Pennant Brand Turkey Grower

Barton Mills, Inc., Omaha, Neb. (See Yantic Grain & Products Co.)**The Beacon Milling Co., Inc., Cayuga, N. Y.**

Auburn "16"
Auburn "20"
Beacon "16"
Beacon "20"
Beacon Breeder All-Mash
Beacon Breeders Mash
Beacon Broiler Feed
Beacon Broiler Finisher Pellets
Beacon Calf Grain
Beacon Calf Starter
Beacon Chick Grains
Beacon Complete Starter
Beacon Dairy Breeder Pellets
Beacon Dairy Fitting
Beacon Duck Finisher
Beacon Duck Grower
Beacon Duck Starter
Beacon "22" Egg Mash
Beacon Fleshing (Balancer) Pellets
Beacon "24" For Mixing With Home Grain
Beacon "32" For Mixing With Home Grain
Beacon Goat Ration

The Beacon Milling Co., Inc., Cayuga, N. Y.—Cont.

Beacon Grower All-Mash
 Beacon "18" Growing Mash
 Beacon Hog Supplement
 Beacon Horse Feed
 Beacon Market Egg All-Mash
 Beacon Pig Grower
 Beacon Pig Starter
 Beacon Poultry Fitting
 Beacon Rabbit Pellets
 Beacon Sow Feed
 Beacon Steer Fattener
 Beacon "14" Test Cow Ration
 Beacon "18" Test Cow Ration
 Beacon Turkey & Game Bird Breeder
 Beacon Turkey & Game Bird Fitting
 Beacon Turkey & Game Bird Grower
 Beacon Turkey & Game Bird Starter
 Be-Co-Lass

The Berkman Grain Co., No Franklin, Conn.

Nibco Crate Fattener
 Nibco Dairy Ration 18%
 Nibco Fitting Ration
 Nibco Five Star Broiler Mash
 Nibco High Energy Breeder Mash
 Nibco High Energy Growing Mash
 Nibco High Energy Layer Mash
 Nibco Laying Mash
 Nibco Nine Week Broiler Mash
 Nibco Scratch Feed

Birdwood Products Co., North Platte, Neb.

17% Dehydrated Alfalfa Meal or Pellets

Blatchford Calf Meal Co., Waukegan, Ill.

Blatchford's Calf Meal & Calf Pellets
 Blatchford's Calf-Pab
 Blatchford's Complete Calf Ration
 Blatchford's Rabbit Pellets

The Borden Co., Special Products Div., 350 Madison Ave., New York 17, N. Y.

(See also *Vitamin D Carriers*)

Borden's Ration-Ayd for Poultry Mash
 Borden's Vampros Accessory Feed for Poultry
 Bospro Vitamin A & D Supplement
 Ration-Ayd for Hogs, A Mixer's Ingredient for Fortifying Pig & Hog Feeds

Borden's Soy Processing Co., Div., of the Borden Co., Kankakee, Ill.

Borden's 44% Protein Solvent Extracted Soybean Oil Meal

Bremco Alfalfa Mills, Inc., New Bremen, Ohio

Medogreen Alfalfa Meal

C. W. Brister & Son, Auburn, N. Y.

Prize Mixed Feed

The Brode' Corp., 1012 Falls Bldg., P.O. Box 700, Memphis, Tenn.

Owl Brand 41% Prime Cottonseed Meal

L. Broder & Co., Inc., Colchester, Conn.

L. B. 16% Dairy Ration

Brooklawn Grain & Feed Co., 321 Sylvan Ave., Bridgeport, Conn.

Brooklawn 16% Dairy
Brooklawn Egg Mash
Brooklawn Starter-Broiler Mash

Brown-Forman Distillers' Corp., Louisville, Ky. (See Yantic Grain & Products Co.)**The Buckeye Cotton Oil Co., Cincinnati, Ohio**

Buckeye 36% Pro. Cottonseed Meal
Buckeye 41% Pro. Solvent Extracted Cottonseed Meal
Buckeye 44% Protein Solvent Extracted Soybean Oil Meal

Camp Milling Co., Inc., Walton, N. Y.

Hurlburt's Empire Rabbit Pellets—Complete

The C. W. Campbell Co., 27 West Broad St., Westerly, R. I.

Best Pig & Hog Ration
Camco Horse Feed
16% Dairy Ration
Economical Stock Feed
Egg-O Chick Starter & Broiler Ration
Egg-O Complete Layer
Egg-O Grower
Egg-O Laying Mash
Egg-O Special Broiler
Egg-O 22% Turkey Finisher
Egg-O Turkey Grower
Egg-O Turkey Starter
12% Fitting Ration
Lassagras
Sheep and Goat Feed

The Canada Linseed Oil Mills, Ltd., Montreal, Quebec, Canada

Maple Leaf 36% Pro. Pure Linseed Oil Cake Meal

The Canada Starch Co., Ltd., 1940 Sun Life Bldg., Montreal, Quebec, Canada

Edwardsburg Corn Gluten Feed

Canadian Vegetable Oil Processing, Ltd., Victoria Ave. & Burlington Sts., Hamilton, Ontario, Canada

Soybean Oil Meal

The A. B. Caple Co., Toledo, Ohio

Alfalfa Stein Meal

Cargill, Inc., 200 Grain Exch., Minneapolis, Minn.

Cargill Northwest 32% Protein Expeller Linseed Oil Meal
41% Pro. Expeller Soybean Oil Meal
44% Pro. Solvent Extracted Soybean Oil Meal

CarO-Green, Inc., 328 Board of Trade Bldg., Kansas City, Mo.

CarO-Green Dehydrated Alfalfa Meal

Central Connecticut Cooperative Farmers' Association, Inc., 10 Apel Pl., Manchester, Conn.

Honest Brand Breeder Mash
Honest Brand Complete Ration High Energy Growing Mash
Honest Brand Complete Ration High Energy Laying Mash
Honest Brand Dairy Feed 16%
Honest Brand Growing Pellets
Honest Brand Laying Mash
Honest Brand Nu Weigh Hi Broiler Finisher Mash
Honest Brand Nu Weigh Hi Broiler Starter Mash

Central Mills, Inc., Dunbridge, Ohio

Cent-O-Green Dehydrated Alfalfa Meal

Central Soya Co., Inc., Ft. Wayne, Ind.

Central Star 44% Solvent Extracted Soybean Oil Meal

Central Sweet Soy

Central 4-44

Cerophyl Laboratories, Inc., 2438 Broadway, Kansas City, Mo.

Greenmelk

Citrus Feed Co., P.O. Box 513, Lakeland, Fla.

Ace High All Sweet Dried Citrus Pulp

Clinton Foods, Inc., Clinton, Iowa

Clinton Corn Gluten Feed

Clinton Corn Gluten Meal

Clinton Sweetened Corn Gluten Feed

Clinton Foods, Inc., Fla. Div., Auburndale, Fla.

McDonald Brand Citrus Meal

McDonald Dried Citrus Pulp

Herbert K. Clofine, Inc., 612 Bulletin Bldg., Philadelphia, Pa.

Supreme Brand Condensed Buttermilk

Clyde Milling Corp., Clyde, N. Y.

Clyde Breeder Mash

Clyde 16 Dairy Ration

Clyde M-B-F (Meat Bird Finisher)

Warren's Dairy Fitting Ration

Warren's 16 Dairy Ration

Warren's Growing Feed

Warren's Laying Mash

Coatsworth & Cooper, Ltd., 67 Yonge St., Toronto, Ontario, Canada

"C and C" Wheat Bran

"C and C" Wheat Shorts

Commercial Solvents Corp., 105 So. 7th St., Terre Haute, Ind.

B.Y.-500 Dried Cane Syrup Fermentation Solubles

B.Y.-250 Dried Corn Fermentation Solubles

B.Y.-500 Dried Corn Fermentation Solubles

B.Y.-21 Dried Grain & Skimmed Milk Fermentation Solubles

Corn Distillers Dried Grains

Community Service, Inc., Canaan, Conn.

C. S. Complete Pig Feed

C. S. 16% Dairy Ration

C. S. 18% Dairy Ration

C. S. 20% Dairy Ration

C. S. Fitting Ration

C. S. Growing Mash

C. S. Laying Mash

C. S. Starter & Grower Mash

The Connecticut Grains Corp., Colchester, Conn.

Dried Brewers' Grains

Consolidated Badger Co-op, Shawano, Wis. (See Yantic Grain & Products Co.)

Consolidated Products Co., 119 No. Washington Ave., Danville, Ill.

(See also Vitamin D Carriers)

Kaff-A

Consolidated Products Co., 119 No. Washington Ave., Danville, Ill.—Cont.

(See also *Vitamin D Carriers*)

New Kaff-A
Pex Condensed Whey and Bran
Pex Condensed Whey 50% Solids
Semi-Solid "E" Emulsion
Semi-Solid "E" Emulsion—Self Feeding
Semi-Solid Pig Emulsion

Consolidated Rendering Co., 178 Atlantic Ave., Boston 10, Mass.

Corenco Feeding Bone Meal
Corenco Fish Meal
45% Corenco Meat & Bone Scrap
47% Corenco Meat & Bone Scrap
50% Corenco Meat & Bone Scrap

Copeland Flour Mills, Ltd., Midland, Ontario, Canada.

Dandy Wheat Bran
Dandy Wheat Shorts

Corn Products Refining Co., 17 Battery Pl., New York 4, N. Y.

Buffalo Brand Corn Gluten Feed
Buffalo Brand Corn Gluten Feed Sweetened
Diamond Brand Corn Gluten Meal

C. A. Cowles, Inc., Plantsville, Conn.

Blue C Complete Growing Mash
Blue C Complete Laying Mash
Blue C 16% Dairy Ration
Blue C 20% Dairy Ration
Blue C Fitting Ration
Blue C Growing Mash
Blue C Hog & Pig Feed
Blue C Horse Feed with Molasses
Blue C Laying Mash
Blue C Rabbit Pellets
Blue C Special Starter & Broiler Feed
Blue C Starting Mash
Blue C Super 12% Coarse Dairy Ration
Blue C Super 16% Coarse Dairy Ration
Blue C Super 12% Dairy Ration
Blue C Super 16% Dairy Ration
Blue C Turkey Finishing Mash
Blue C Turkey Growing Mash
Blue C Turkey Starting Mash
Cowles Blue C Plantsville Dairy Ration
Cowles Red C 16% Dairy Feed
Elco Broiler Feed
Elco Laying Mash
High Energy Elco Complete Lay
Red C Laying Mash
Red C Starting & Growing Mash

Charles M. Cox Co., 177 Milk St., Boston, Mass.

Rex Wheat Bran (Mfr'd. by Maple Leaf Milling Co., Ltd., Toronto, Ontario, Canada)
Rex Wheat Middlings (Mfr'd. by Maple Leaf Milling Co., Ltd., Toronto, Ontario, Canada)
Wirthmore Baby Chick Scratch
Wirthmore Breeder Mash (Pellets)
Wirthmore Calf Starter Meal
Wirthmore Calving Ration
Wirthmore Challenger Coarse 14
Wirthmore Challenger Coarse 16

Charles M. Cox Co., 177 Milk St., Boston, Mass.—Cont.

Wirthmore Challenger 16 Dairy
 Wirthmore Challenger 20 Dairy
 Wirthmore Coarse Test Ration (Pellets)
 Wirthmore Complete Breeder Ration (Pellets)
 Wirthmore Complete Chick Starter
 Wirthmore Complete Egg Ration (Pellets)
 Wirthmore Complete Growing Ration (Pellets)
 Wirthmore Complete Turkey Breeder Ration (Pellets)
 Wirthmore 16% Dairy Ration
 Wirthmore 20% Dairy Ration
 Wirthmore 32% Dairy Supplement
 Wirthmore Fattening Pellets
 Wirthmore 14 Fitting Ration (Pellets)
 Wirthmore Fodder Greens
 Wirthmore Game Bird Starter Pellets
 Wirthmore Growing Mash (Pellets)
 Wirthmore Hi-Ener-G Breeder (Pellets)
 Wirthmore Hi-Ener-G Grower (Pellets)
 Wirthmore Hi-Ener-G Layer (Pellets)
 Wirthmore Hog Grower
 Wirthmore Horse Feed
 Wirthmore Improved Hi-Ener-G Starter & Broiler Ration (Pellets, Crumbled)
 Wirthmore Intermediate Scratch
 Wirthmore Laying Mash (Pellets)
 Wirthmore Mornin' Call Scratch
 Wirthmore Pig & Sow Feed (Pellets)
 Wirthmore Poultry Fitting Ration
 Wirthmore Poultry Flush
 Wirthmore Producer 16 Dairy
 Wirthmore Quickies (Pellets)
 Wirthmore Rabbit Pellets
 Wirthmore 16 Record Ration (Pellets)
 Wirthmore 18 Record Ration
 Wirthmore Scratch Feed
 Wirthmore Sheep & Goat Ration
 Wirthmore Stock Feed
 Wirthmore Super Pellets
 Wirthmore Turkey Breeder Ration (Pellets)
 Wirthmore Turkey Fattening Ration (Pellets)
 Wirthmore Turkey Growing Ration (Pellets)
 Wirthmore Turkey Starter Ration (Pellets, Crumbled)
 Wirthmore Twin-Mix Calf Ration

Crawford Bros., Inc., Walton, N. Y.

Breeding Mash or Pellets
 Complete Breeding Mash or Pellets
 Complete Chick Starter
 Complete Egg Mash or Pellets
 Complete Growing Mash or Pellets
 14% Dry & Freshening
 14% Fitting Ration
 Growing Mash or Pellets
 Hi-Energy Starter & Broiler Mash
 Laying Mash or Pellets
 16% Milk Flow with Crushed Oats
 Molasses Horse Feed
 Pig Grower & Fattener
 Pig Start & Grow
 16% Rabbit Pellets
 Scratch Grains
 Starter Broiler Mash or Pellets
 Turkey Marketing Feed
 Warrens Milk Producer 16% Dairy Feed

Crompton Grain Co., Inc., West Warwick, R. I.

Our Best Laying Mash
Our Best Starter & Broiler Feed

P. Cutler, Inc., Colchester, Conn.

Prosperity Dairy Ration
Prosperity Laying Mash

Dailey Mills, Inc., Olean, N. Y.

Beef-It-Up
Candy Horse Feed
32% Cost Buster
34% Cost Buster
Double Diamond Baby Chick Grains
Double Diamond Commercial Scratch Grains
Double Diamond Complete Egg Producer
Double Diamond Complete Grower
Double Diamond Hical Builder
Double Diamond Hical Fit Fat
Double Diamond Hical Rabbit Pellets
Double Diamond Hical Starter
Double Diamond Hical 16% Test Ration
Double Diamond Horse Feed
Double Diamond Layer
Double Diamond 14% Pelleted Fitting Ration
Egg Maker
Egg Producer
16% Milk Producer
20% Milk Producer
Pig & Hog Ration
16% Price Smasher
Range Grower
Starter & Grower

Dairymen's League Co-op. Assoc., Inc., 250 Genesee St., Utica, N. Y.

Dairylea Choice Feed Grade Dried Skim Milk

R. G. Davis & Sons, New Haven, Conn.

Davis 16% Dairy Feed
Davis Egg Mash
Davis Growing Mash
Davis Horse Feed
Davis Starter & Broiler
New England College Conference Growing
New England College Conference Mash

Dawe's Laboratories, Inc., 4800 So. Richmond St., Chicago, Ill.

(See also *Vitamin D Carriers*)

Dawe's Broiler Base 555
Dawe's Vitamelk
Flavonne Broiler Base
Flavonne Ribo-D

Dawnwood Farms, Amenia, N. Y.

Dawnwood Farms Caf-Star, A Formula Feed for Calves
Dawnwood Farms "Dots"

Decatur Milling Co., Inc., Decatur, Ill.

Homco Hominy Feed
Illini Brand Expeller Type 41% Soybean Oil Meal

Deep Sea Products, Inc., 169 Front St., So. Portland, Maine

Fish Meal

Delaware Mills, Inc., Deposit, N. Y.

Delaware Broiler Mash
Delaware Fattening Mash
Delaware Fitting Ration
Delaware Growing Mash
Delaware Laying Mash
Delaware Scratch Grains
Delaware Sweet 16% Dairy Ration
Delaware Turkey Fitting Ration
Delaware Turkey Growing Mash

The Delphos Grain & Soya Products Co., Delphos, Ohio

44% Protein Soybean Oil Meal (Extracted)

Derby Feed Store, 176 Main St., Derby, Conn.

Litsky's Hi-Energy All Mash Grower
Litsky's Hi-Energy Starter & Broiler Mash
Litsky's Laying Mash
Litsky's Sweet 16% Dairy Ration

The Derwood Mills, Inc., Derwood, Md.

Derwood Horse Crunch

Dewart Milling Co., Ltd., Peterborough, Ontario, Canada

Wheat Shorts

Dietrich & Gambrill, Inc., So. Carroll St., Frederick, Md.

D & G Calf Grower

Doughnut Corp. of America, Ellicott City, Md.

Domaco Pure Winter Wheat Bran
Domaco Winter Wheat Standard Middlings
Domaco Winter Wheat White Middlings

Dow Brewery, Ltd., Montreal 3, Quebec, Canada. (See C. J. Martenis Grain Co.)

The Drackett Products Co., Cincinnati 32, Ohio

Drackett 44% Pro. Soybean Oil Meal Precision Process

Eastern States Farmers' Exchange, Inc., West Springfield, Mass.

All-Mash Breeder (Mash and Pellets)
All-Mash Developer (Mash and Pellets)
All-Mash Producer (Mash and Pellets)
Breeder Mash (Mash and Pellets)
Calf Starter
Calving Ration
Champion
Developer (Mash and Pellets)
Finisher (Mash and Pellets)
Fitting Ration
Fulpail
G-Mix
Grasslander
Hen Supplement (Mash and Pellets)
Hog Supplement
Milkmore
Milk saver
Pig Primer
Pork Builder
Producer (Mash and Pellets)
32% Supplement
Sweepstakes
Turkey Breeder Pellets
Turkey Grower (Mash and Pellets)

B. A. Eckhart Milling Co., 1300 Carroll Ave., Chicago, Ill.

Ecko Pure Wheat Bran

Elmore Milling Co., Inc., Oneonta, N. Y.

Elmore Breeder Mash
Elmore Broiler Finishing Ration
Elmore Bull Feed
Elmore Calf Grain Ration
Elmore Chick Feed
Elmore Chixsaver
Elmore Complete Growing Ration
Elmore Complete Layer & Breeder
Elmore Complete Market Egg Mash
Elmore Complete Rabbit Ration
Elmore Dry & Freshening Ration
Elmore Egg Mash
Elmore Fitting Ration
Elmore Flaked Pelleted Calf Starter
Elmore Fleshing Pellets
Elmore Game Bird Grower
Elmore Goat Ration
Elmore Grand Champion Ration
Elmore Growing Mash
Elmore Hog Ration
Elmore Horse Feed
Elmore Intermediate Chick Feed
Elmore M. A. C. Laying Mash
Elmore Makemgrow Little Pig Ration
Elmore Milk Grains "16"
Elmore Milk Grains "20"
Elmore Pacemaker 16% Dairy Ration
Elmore Pacemaker 18% Dairy Ration
Elmore Pacemaker Fitting Ration
Elmore Poultry Fitting Ration
Elmore Stock Feed
Elmore Super Broiler
Elmore Super Silage
Elmore 30% Supplemental Dairy Ration
Elmore Test Ration 16%
Elmore Test Ration 18%
Elmore Turkey Breeder Mash
Elmore Turkey Finisher (Fattener)
Elmore Turkey Fitting Ration
Elmore Turkey Growing Mash
Elmore Turkey Starting Mash or Crumbles

Erie Alfalfa Mills, Inc., Erie, Mich.

Leafy Erie Brand Dehydrated Alfalfa Meal

Erlin Alfalfa Mills, Inc., Rt. #4, Fremont, Ohio

Alfalfa Meal

John W. Eshelman & Sons, Lancaster, Penn.

Eshelman Conestoga 20 Dairy Feed
Eshelman Lancaster Horse Feed
Eshelman Lancaster Scratch Grains
Eshelman Pennsy 16 Dairy Feed
Eshelman Pennsy Laying Mash
Eshelman Red Rose Breeder Mash
Eshelman Red Rose Broiler Ration
Eshelman Red Rose Calf Grower
Eshelman Red Rose Calf Meal
Eshelman Red Rose Calf Starter
Eshelman Red Rose 30% Cattle Supplement (UREA)

John W. Eshelman & Sons, Lancaster, Penn—Cont.

Eshelman Red Rose Chick Grains
 Eshelman Red Rose Chick Starter
 Eshelman Red Rose Complete Breeder Ration
 Eshelman Red Rose Complete Laying Ration
 Eshelman Red Rose 16 Dairy Feed
 Eshelman Red Rose 18 Dairy Feed
 Eshelman Red Rose 24 Dairy Feed
 Eshelman Red Rose Duck Grower & Breeder (Pelleted)
 Eshelman Red Rose Expeller 41% Soybean Oil Meal
 Eshelman Red Rose Fattening Mash
 Eshelman Red Rose Finishing Pellets
 Eshelman Red Rose Fitting Ration
 Eshelman Red Rose Goat Ration
 Eshelman Red Rose Ground Corn & Oats
 Eshelman Red Rose Growing Mash
 Eshelman Red Rose Hog Meal
 Eshelman Red Rose Horse Feed
 Eshelman Red Rose Intermediate Chick Grains
 Eshelman Red Rose Laying Mash
 Eshelman Red Rose Milk Replacer
 Eshelman Red Rose 32 Mixing Ration
 Eshelman Red Rose Pig & Sow Meal
 Eshelman Red Rose Pigeon Feed
 Eshelman Red Rose Rabbit Pellets
 Eshelman Red Rose Scratch Grains
 Eshelman Red Rose Starter & Grower
 Eshelman Red Rose Steer Feed
 Eshelman Red Rose Super Dairy Feed
 Eshelman Red Rose T-C Feed
 Eshelman Red Rose 14 Test-Cow Ration
 Eshelman Red Rose Turkey & Broiler Fitting Feed
 Eshelman Red Rose Turkey Grower
 Eshelman Red Rose Turkey Starter
 Eshelman S-O-S
 Eshelman Wheat & Cracked Corn

Evans Milling Co., Inc., Indianapolis, Ind.

Emco Hominy Feed

Excelsior Milling Co., 712 Flour Exchange, Minneapolis, Minn.

Camel Hard Wheat Mixed Feed

Fairmont Foods Co., 3201 Farnam St., Omaha, Neb.

Fairmont's Better Brand Condensed Buttermilk

Farm Bureau Association, 155 Lexington St., Waltham, Mass.

Farm Bureau Complete Developer Mash or Pellets
 Farm Bureau Complete Market Egg Mash or Pellets
 Farm Bureau 16% Dairy Ration
 Farm Bureau Developer Mash or Pellets
 Farm Bureau Fitting Ration
 Farm Bureau 15% Green Pasture Ration
 Farm Bureau High Energy Broiler & Starter Mash or Pellets
 Farm Bureau Market Egg Mash or Pellets
 Farm Bureau 14% Milking Ration
 Hominy
 Soybean Meal

Farmers Feed Co., 532 E. 76th St., New York, N. Y.

"Bull Brand" Brewers Dried Grains

Farmers Marketing & Supply Co., Greenville, Ohio

F M S "A"

Feed Products, Inc., Groveland, Fla.

Bestest Brand "Nature Sweet" Dried Citrus Pulp
Bestest Brand "Nature Sweet" Dried Citrus Pulp—Late Production

Ferneau Grain Co., Blanchester, Ohio

F Corn Distillers Dried Grains

Fish Products Co., Lewes, Del.

Smith's Lifeline Brand 60% Fish Meal

Fishel Products Co., P.O. Box 66, Kingsburg, Calif.

Amburgo Super-Trate

Fishery Products, Ltd., 705 Union Commerce Bldg., Cleveland, Ohio., also St. John's, Newfoundland, Canada

Monroe Brand Fish Meal

Florida Citrus Cannery Co-op., Lake Wales, Fla.

Lake Wales Brand Citrus Meal
Lake Wales Brand Citrus Pulp

Flory Milling Co., Bangor, Penn.

Flory Horse Feed
Flory Superior 16% Dairy Feed Partly Pelleted
Flory Superior 14% Fitting Ration Partly Pelleted

The Fox Co., Newfield, N. J.

(See also Vitamin D Carriers)

Foxco Flavitein

Galesburg Soy Products Co., 1021 South Henderson St., Galesburg, Ill.

Triple Value Brand 44% Protein Soybean Oilmeal Hexane Solvent Extracted

Geiger Products Co., Inc., 108 South St., New York 38, N. Y.

Flag Fish Meal 55%
Flag Fish Meal 60%

General Foods Corp., Corn Mill Div., Kankakee, Ill.

Burt's Hominy Feed

General Mills, Inc., 400 Second Ave. South, Minneapolis 1, Minn.

Arlington Wheat Second Clear
Ben Hur Wheat Bran & Ground Wheat Screenings
Ben Hur Wheat Standard Middlings & Ground Wheat Screenings
General Mills 44% Pro. Solvent (Hexane) Extracted Soy Bean Oil Meal
Gold Medal Wheat Germ Meal
Oven Tailings
Sonny South Wheat Bran
Washburn's Gold Medal Fancy Wheat Flour Middlings & Ground Wheat Screenings
Washburn's Gold Medal Fancy Wheat Mixed Feed & Ground Wheat Screenings
Washburn's Gold Medal Hard Wheat Adrian Red Dog
Washburn's Gold Medal Hard Wheat Bran & Ground Wheat Screenings
Washburn's Gold Medal Hard Wheat Standard Middlings & Ground Wheat Screenings
Washburn's Gold Medal Wheat Bran (Free from Screenings)

General Mills, Inc., Larro Div., Box 68, No. End Sta., Detroit 2, Mich.

Dried Beet Pulp
Dried Molasses-Beet Pulp
Larro Chick Grains
Larro Poultry Surehatch
Larro Poultry Surehatch Complete
Larro Poultry Surehatch Complete "Hi-Energy"

General Mills, Inc., Larrowe Div., Box 68, No. End Sta., Detroit 2, Mich.—Cont.

Larro Poultry Surehatch "Hi-Energy"
 Larro Poultry Surelay Complete "Hi-Energy"
 Larro Poultry Surelay "Hi-Energy"
 Larro Scratch Grains
 Larro Special SureMilk 20
 Larro SureBroiler
 Larro SureBroiler 38
 Larro SureBroiler Supplement
 Larro SureCalf
 Larro SureCattle 32
 Larro SureChick
 Larro SureCreep (Pelleted)
 Larro SureFat
 Larro SureHog
 Larro SureHog Pasture 40
 Larro SureLay
 Larro SureLay Complete
 Larro SureLay (Pelleted)
 Larro SureLift
 Larro SureMash Concentrate
 Larro SureMilk 14
 Larro SureMilk 16
 Larro SureMilk 20
 Larro SureMilk 32
 Larro SurePig
 Larro SurePork Concentrate
 Larro SurePoult
 Larro SureRabbit
 Larro SureTurk
 Larro Turkey SureHatch
 Screened Cracked Corn

The Glidden Co., Feed Mill Div., 1160 W. 18th St., Indianapolis, Ind.

Glidden All Mash Layer (Meal Crumbles or Pellets)
 Glidden Broiler Ration (Meal Crumbles or Pellets)
 Glidden Cattle Sweet
 Glidden Finisher Pellets
 Glidden Laying Mash (Meal Crumbles or Pellets)
 Glidden Super Broiler Ration (Meal Crumbles or Pellets)

The Glidden Co., Soya Products Div., 1825 No. Laramie St., Chicago 39, Ill.

Glidden Soya Products 44% Pro. Solvent Extracted Soybean Oil Meal

Gloucester By-Products, Inc., State Fish Pier, Gloucester, Mass.

Globpro Brand Fish Meal

Goldenrod Oil Meal Sales Co., 727 Beale Ave., P.O. Box 152, Memphis 1, Tenn.

Goldenrod Brand 41% Pro. Cottonseed Meal

Gorton-Pew Fisheries Co., Ltd., 327 Main St., Gloucester, Mass.

(See also *Vitamin D Carriers*)

Gorton's Al-Blend "Jr."
 Gorton's Al-Blend "Sr."
 Gorton's Redfish Meal

D. H. Grandin Milling Co., Jamestown, N. Y.

Grandin's Baby Chick Grains
 Grandin's Breeder Mash
 Grandin's Broiler Finisher
 Grandin's Calf Starter
 Grandin's Complete Chick Starter
 Grandin's Complete Egg Mash
 Grandin's Dry & Freshening Ration

D. H. Grandin Milling Co., Jamestown, N. Y.—Cont.

Grandin's 14 Fitting Ration
Grandin's Growing Mash
Grandin's Hi-Nutro Mash
Grandin's Hi-Pro Pellets
Grandin's Horse Feed
Grandin's Intermediate Chick Grains
Grandin's Laying Mash
Grandin's 20 Milk Maker
Grandin's Pig & Sow Feed
Grandin's Pork Maker
Grandin's Poultry & Turkey Fitting Ration
Grandin's Rabbit Pellets
Grandin's Start-to-Finish Mash
Grandin's Stim-U-Feed
Grandin's Super Starter & Broiler Ration
Grandin's 16 Test Ration
Grandin's 18 Test Ration
Grandin's Turkey Fattener
Grandin's Turkey Grower
Grandin's Twin-Six Dairy Feed

The Great Atlantic & Pacific Tea Co., 817 Andrus Bldg., Minneapolis 2, Minn.

Daily Egg Laying Mash
Daily Growth Chick Starter
Daily Growth Fine Chick Feed
Daily Growth Growing Mash

Great Star Flour Mills, Ltd., St. Marys', Ontario, Canada. (See A. S. MacDonald Commission Co.)**Green Acre Farms, Nazareth, Penn.**

Green Acre's Brand 15% Dehydrated Alfalfa Meal
Green Acre's Brand 17% Dehydrated Alfalfa Meal

Haffenreffer & Co., Inc., 30 Germania St., Boston, Mass.

Haffenreffer & Co. Brewers Dried Yeast

Hales & Hunter Co., 141 W. Jackson Blvd., Chicago, Ill.

Gold Flake 16½ Dairy
Havana Pellets
Pioneer Beef Cattle 20
Pioneer Bull Feed
Pioneer Calf Starter
Pioneer Creep & Fitting Ration
Pioneer 15 Dairy
Pioneer 18 Dairy
Pioneer 32 Dairy
Pioneer Dairy Fitting Feed
Pioneer Dairy Sup-Pel
Pioneer Dry & Freshening
Pioneer Hog Ration 15
Pioneer Horse Feed
Pioneer Pelleted Flaked 15 Dairy
Pioneer Pelleted Flaked 18 Dairy
Pioneer Pelleted Flaked Dairy Goat Feed
Pioneer Rabbit Feed
Red Comb All Mash Grower
Red Comb All Mash Layer
Red Comb Breeder Mash
Red Comb Broiler Mash
Red Comb C Flakes
Red Comb Chick Starter
Red Comb Crate Fattener

Hales & Hunter Co., 141 Jackson Blvd., Chicago, Ill.—Cont.

Red Comb Duck Starter (Pellets)
 Red Comb Egg Mash
 Red Comb Growing Mash
 Red Comb Pigeon Feed
 Red Comb Scratch Feed
 Red Comb Sup-Pel (Pellets)
 Red Comb Turkey Breeder
 Red Comb Turkey Finisher Pellets
 Red Comb Turkey Grower
 Red Comb Turkey Starter

A. E. Hall, 200 Ward St., Wallingford, Conn.

Hall's Growing Mash
 Hall's Hi-Lo Starter & Broiler
 Hall's Laying Mash

Dwight Hamlin Co., Oliver Bldg., Pittsburgh, Penn.

Hamlin's Dried Brewers Grains

Harper Feed Mills, Inc., 271 W. Wheeling St., Washington, Penn.

Harco Broiler Mash
 Harco Growing Mash
 Harco Fattening Mash Station Feed
 Harco Finisher Mash
 Harco Laying Mash
 Harco Short Feed Station Fattener Pellets
 Harco Special Hi-Energy Broiler Mash
 Harco Station Fattener Pellets

Hercules Powder Co., 900 Market St., Wilmington, Del.

Hercules Dried Whole Whey

Highland Products, Inc., 509 No. 4th St., Minneapolis, Minn.

Highland's Hi-Nutra

W. L. Hogg, Ltd., 2965 Notre Dame Est., Montreal, Quebec, Canada

Dried Brewers Grains (*Mfr'd. by Molson's Brewery, Ltd., Montreal, Quebec, Canada*)

H. P. Hood & Sons, Inc., 500 Rutherford Ave., Boston 29, Mass.

Dried Skimmed Milk
 Hood's Calf Starter
 Powdered Skim Milk

J. William Horsey Corp., Plant City, Fla.

J. William Horsey Brand Dried Citrus Pulp

The Hubinger Co., 601 Main St., Keokuk, Iowa

Ke OK uk Corn Gluten Feed

Humphreys-Godwin Co., Memphis, Tenn.

Dixie Brand 41% Cottonseed Meal

Illinois Cereal Mills, Inc., Paris, Ill.

Hominy Feed

Inter-Continental Grain Co., Ltd., 6 King St. East, Toronto 1, Ontario, Canada

Ranger Brand Pure Wheat Bran
 Ranger Brand Pure Wheat Shorts

International Milling Co., Minneapolis, Minn.

Blackhawk Wheat Bran with Ground Wheat Screenings
 Blackhawk Wheat Standard Middlings with Ground Wheat Screenings
 Target Wheat Reddog

Herman Isacs, Inc., 555 Wordin Ave., Bridgeport, Conn.
Hi-Test Brand

John Jarvis Grain Co., Ltd., Toronto, Ontario, Canada (*See A. S. MacDonald Commission Co.*)

Kansas Flour Mills Co., Div. of Flour Mills of America, Inc., P.O. Box 2568, Kansas City, Mo.

Big Flake Pure Wheat Bran

Kasco Mills, Inc., Waverly, N. Y.

Kasco All Mash Grower Ration
Kasco All Mash Layer Ration
Kasco Beatsall Milk Grains, 16%
Kasco Beatsall Milk Grains, 20%
Kasco Body Builder
Kasco Chick Starter
Kasco Complete Rabbit Ration
Kasco 18% Dairy Feed
Kasco Egg Producer
Kasco Fitting Ration
Kasco Gro-Calf
Kasco Growing Mash
Kasco Horse Feed
Kasco Mormilk Dairy Feed
Kasco Poul-tri-tonE
Kasco Poultry Breeder Mash
Kasco Turkey Grower
Kasco Turkey Starter Ration
Kasco Vig-R/-Ets

Kellogg Co., Battle Creek, Mich.

Kellogg's Hominy Feed

Spencer Kellogg & Sons, Inc., Buffalo, N. Y.

Spencer Kellogg's 32% Pro. Old Process (Expeller) Linseed Oil Meal
Spencer Kellogg's 44% Pro. Toasted Soybean Oil Meal-Solvent Extracted

Keystone Dehydrators, Box 204, Nazareth, Penn.

Keystone Super Green Dehydrated Alfalfa Meal

Chas. A. Krause Milling Co., Milwaukee 1, Wis.

Badger White Hominy Feed
Badger Yellow Hominy Feed

Kuder Pulp Sales Co., Lake Alfred, Fla.

Kuder Dried Citrus Pulp
Kuder Dried Citrus Pulp High Sugar
Kuder Dried Citrus Pulp High Sugar Late Production

Lake of the Woods Milling Co., Ltd., Montreal, Quebec, Canada

Lakewoods Wheat Bran
Lakewoods Wheat Shorts

E. W. Latimer, South Coventry, Conn.

College 18% Dairy
College Fitting Ration
College Laying Mash

Lauhoff Grain Co., Danville, Ill.

Vermilion Hominy Feed

Lederle Laboratories Div., American Cyanamid Co., Pearl River, N. Y.

Aurofac
Aurofac-A

Lederle Laboratories Div., American Cyanamid Co., Pearl River, N. Y.—Cont.

Aurofac-2A
 Choline Chloride 25% on Dried Citrus Meal
 Fortafeed Brand Feed Supplement 2-22
 Fortafeed Brand Feed Supplement 2-22C
 Fortafeed Brand Feed Supplement 2-49C

Libby-McNeill & Libby, 4134 So. Packers Ave., Chicago, Ill.

Headliner Dried Citrus Pulp

Libner Grain Co., Inc., 25 Commerce St., Norwalk, Conn.

Libner's Blue Ribbon Conn. Standard Chick Starter Ration
 16% Libner's Blue Ribbon Dairy Ration
 12% Libner's Blue Ribbon Fitting Ration
 Libner's Blue Ribbon Growing Mash with Cod Liver Oil
 Libner's Blue Ribbon Hog Ration with Cod Liver Oil
 Libner's Blue Ribbon Horse & Calf Ration
 Libner's Blue Ribbon Milk Egg Mash with Cod Liver Oil
 Libner's Blue Ribbon Turkey Starter & Grower
 20% Milkflow Dairy Ration

Litchfield County Co-operative Assoc., Inc., 132 Railroad Ave., Torrington, Conn.

Common Sense Dairy Ration
 Common Sense Laying Mash
 Common Sense Starting & Growing Mash

Long Hill Feed Store, Long Hill, Conn.

Improved Square Deal Dairy Ration

A. S. MacDonald Commission Co., 106 Grain & Flour Exchange, Boston 9, Mass.

Great Star Shorts (*Mfr'd. by Great Star Flour Mills, Ltd., St. Marys, Ontario, Canada*)
 Jervis Pure Wheat Shorts (*Mfr'd. by the John Jervis Grain Co., 67 Yonge St., Toronto, Ontario, Canada*)
 Parrheim Pure Wheat Bran (*Mfr'd by Parrish & Heimbecker, Ltd., 43 Scott St., Toronto, Ontario, Canada*)
 Parrheim Pure Wheat Shorts (*Mfr'd by Parrish & Heimbecker, Ltd., 43 Scott St., Toronto, Ontario, Canada*)

Maple Leaf Milling Co., Ltd., Toronto, Ontario, Canada (*See Chas. M. Cox Co.*)

Maritime Milling Co., Inc., Buffalo, N. Y.

BB Bull Brand "16" Dairy Ration
 BB Bull Brand Dry & Fresh Cow Fitting Ration
 BB Bull Brand Fitting Ration
 BB Bull Brand 18% Special Dairy Ration
 BB Calf Starting and Growing Ration
 BB Chick Feed
 BB Complete Growing Ration
 BB Complete Laying Ration
 BB Complete Rabbit Feed
 BB Egg Mash
 BB Horse Feed
 BB Ma-Co Breeder Mash
 BB Ma-Co Broiler Ration
 BB Ma-Co Complete Breeder Ration
 BB Ma-Co Complete Chick Starter Ration
 BB Ma-Co Complete Growing Ration
 BB Ma-Co Complete Laying Ration
 BB Ma-Co Complete Turkey Breeder Ration
 BB Ma-Co Complete Turkey Finishing Pellets
 BB Ma-Co Complete Turkey Growing Ration
 BB Ma-Co Complete Turkey Starter Ration
 BB Ma-Co Conditioning Mash

Maritime Milling Co., Inc., Buffalo, N. Y.—Cont.

BB Ma-Co Egg Mash
BB Ma-Co Growing Mash
BB Ma-Co Mash Concentrate
BB Ma-Co 30% Pro. Turkey Pellets
BB Ma-Co Station Fattening Pellets
BB Ma-Co Turkey Breeder Mash
BB Ma-Co Turkey Fitting Ration
BB Starter & Broiler Ration
Dollar \$ Maker Brand Egg Mash
Marmico 16% Pro. Dairy Feed

C. J. Martenis Grain Co., 2 Broadway, New York 4, N. Y.

Dried Brewers Grains (*Mfr'd. by the Dow Brewery, Ltd., 990 Notre Dame St., W., Montreal, Quebec, Canada*)

McCabe Grain Co., Ltd., 409 Grain Exchange, Winnipeg, Manitoba, Canada

Ground Grain Screenings

McMillen Feed Mills, Div. of Central Soya Co. & Sub., 300 Fort Wayne Bank Bldg., Fort Wayne 2, Ind.

Master Blend Dairy Concentrate
Master Mix Beef Concentrate
Master Mix Broiler Concentrate
Master Mix Calf Concentrate with Methio-Vite
Master Mix Calflac
Master Mix Chick Concentrate
Master Mix Complete Calf Feed with Methio-Vite
Master Mix 16% Dairy Feed
Master Mix Egglac Pellets
Master Mix Egg Mash
Master Mix Fitting Feed
Master Mix Horse Feed
Master Mix Layer Concentrate
Master Mix Pig Concentrate with Methio-Vite
Master Mix Poult Starter
Master Mix Pullet Grower with Methio-Vite
Master Mix Rabbit Pellets
Master Mix Turkey Concentrate
Master Mix Turkey Grower with Methio-Vite
Master Mix Waylac

Meech & Stoddard, Inc., 76 No. Main St., Middletown, Conn.

M & S Economy Dairy Feed
Red Wing Calf Starter & Grower
Red Wing 15% Dairy Feed
Red Wing Fitting Ration
Red Wing Growing Mash
Red Wing Horse Feed
Red Wing Laying Mash
Red Wing Pig & Hog Feed
Red Wing Starting Mash
Red Wing Stock Feed
Special Balance Growing Mash
Special Balance High Efficiency Complete Growing Mash
Special Balance High Efficiency Complete Laying Mash
Special Balance High Efficiency Starter & Broiler Mash
Special Balance Laying Mash
Special Balance Starting Mash

The Merchants Creamery Co., Cincinnati, Ohio

(*See also Vitamin D Carriers*)

Blue Ribbon Emulsion
Blue Ribbon Special

George J. Meyer Malt & Grain Corp., 1314 Niagara St., Buffalo, N. Y.
Malt Sprouts

Midland Flour Mills, Ltd., 350 Archibald St., St. Boniface, Manitoba, Canada
Midland Bran
Midland Shorts

Midwest Dried Milk Co., 106 West Main St., Dundee, Ill.
Midwest Sweet Dried Whey

Miller's Alfalfa Co., Defiance, Ohio
Miller's Choice Brand 17% Dehydrated Alfalfa Meal

Miner-Hillard Milling Co., Wilkes-Barre, Penn.
Choice Steam Cooked Hominy Feed
M-H Dairy Feed 18%
16% M-H Dairy Feed Pelleted

Minnesota Linseed Oil Co., 25 44th Ave., N. E., Minneapolis 21, Minn.
Minnesota 36% Pro. Solvent Extracted Linseed Oil Meal

Minute Maid Corp., Leesburg, Fla.
Golden Isle Citrus Pulp

Molson's Brewery, Ltd., Montreal, Quebec, Canada. (*See W. L. Hogg*)

Montmorency Distillery, Ltd., Beaupre, Quebec, Canada
Corn Distillers Dried Grains

George Q. Moon & Co., Inc., Binghamton, N. Y.

Moon Baby Chick Grains
Moon Breeder Mash
Moon Bulky Cow Feed
Moon Complete Breeder Mash
Moon Complete Growing Mash
Moon Complete Laying Mash
Moon Complete Starter & Broiler Mash
Moon Dairy Fitting Ration
Moon 24% Dairy Ration
Moon Developing Grains
Moon Growing Mash
Moon Hog Feed
Moon Horse Feed with Molasses
Moon Laying Mash
Moon N. E. Complete Growing Mash
Moon N. E. Complete Laying Mash
Moon N. E. 20% Laying Mash
Moon Poultry Fitting Ration
Moon Rabbit Pellets
Moon Scratch Feed
Moon Special A 16% Dairy Ration
Moon Special A 18% Dairy Ration
Moon Special A 20% Dairy Ration
Moon Starter Mash
Moon Stock Feed
Moon Super Laying Mash
Moon Super Starter & Broiler Mash
Moon 16% Test Ration
Moon 18% Test Ration
Moon Turkey Grower Mash
Moon Turkey Starter Mash

Fred C. Morse & Son, Guilford, Conn.
Old Mill Breeder Mash
Old Mill Complete Laying Mash

Fred C. Morse & Son, Guilford, Conn.—Cont.

Old Mill 16% Dairy Feed
Old Mill Fitting Feed
Old Mill 18% Growing Mash
Old Mill Hog Feed
Old Mill Laying Mash
Old Mill Starting Mash
Old Mill Super Broiler Mash
Old Mill Turkey Grower

Mount Vernon Milling Co., Walnut & Water St., Mt. Vernon, Ind.

Poco Hominy Feed

Mowat, Wilson & Co., 18675 James Couzens Highway, Detroit 35, Mich.

Dried Beet Pulp
Dried Molasses—Beet Pulp

Mutual Products Co., 509 No. 4th St., Minneapolis, Minn.

Dairyade Formula 33
Dairyade Original Formula
Vigapac

Nappanee Milling Co., Inc., Nappanee, Ind.

Hominy Feed

National Alfalfa Dehydrating & Milling Co., Lamar, Col.

Jack Rabbit 17% Dehydrated Alfalfa Meal

National Biscuit Co., Toledo Mill, 2221 Front St., Toledo, Ohio

Namico
Pure Wheat Bran

National Distillers Products Corp., 120 Broadway, New York 5, N. Y.

Nadrisol Brand Corn Distillers Dried Solubles
Produlac Brand Corn Distillers Dried Grains with Solubles

National Foods, Inc., 1225 W. 23rd St., Indianapolis, Ind.

Pulverized Feed Oats

National Vitamin Products Co., 3401 Hiawatha Ave., Minneapolis 6, Minn.

Calvita Calf Formula

The Neumond Co., 300 Merchants Exchange Bldg., St. Louis, Mo.

Neumond's Corn Distillers Dried Grains
Neumond's Dried Brewers Grains
Neumond's Suncured Dairy Cut Alfalfa

Newton Concentrates, Ashby, Mass.

Newton Bovine Concentrates (Fitting & Fattening)
Newton Bovine Concentrates (Super)
Newton Bovine Concentrates (Sweet Fourteen)
Newton Bovine Concentrates (Sweet Super)
Newton Green Roughage Concentrates

Nopco Chemical Co., Harrison, N. J.

(See also Vitamin D Carriers)

Nopcay "10"
Nopcay "20"
Nopdex "1500"
Nopdex "3000"
Quadrex

Ogden Grain Co., Utica, N. Y.

Ogden "Biddy" Mash
Ogden Complete Starter Grower Layer Breeder

Ogden Grain Co., Utica, N. Y.—Cont.

Ogden 16% Dairy Feed
Ogden Fitting Ration
Ogden Growing Mash
Ogden Hi-Energy Starter & Broiler
Ogden Horse Feed
Ogden Rabbit Pellets
Ogden Super Pig Ration
Ogden Turkey Grower & Developer

Ogilvie Flour Mills Co., Ltd., Montreal, Quebec, Canada

Ogilvie Wheat Bran

Oswego Soy Products Corp., Oswego, N. Y.

Soybean Oil Meal Toasted

Pabst Brewing Co., 221 No. LaSalle St., Chicago 1, Ill.

Pabst Hominy Feed

Park & Pollard Co., Inc., 356 Hertel Ave., Buffalo 7, N. Y.

Claco Dairy Ration
Corn & Oats Half & Half
Go-Tu-It Pig & Hog Ration (Pellets)
Hi-Prime Complete Turkey Grower
Hi-Prime Fitting Ration
Hi-Prime Turkey Finisher (Mash or Pellets)
Hi-Prime Turkey Grower (Pellets)
Hi-Prime Turkey Starter (Mash or Pellets)
Lay or Bust All Mash Breeder (Pellets)
Lay or Bust All Mash Grower (Pellets)
Lay or Bust All Mash Layer (Pellets)
Lay or Bust Breeder Mash (Pelleted)
Lay or Bust Broiler Finishing Mash (Pellets)
Lay or Bust Broiler Mash (Pellets)
Lay or Bust Chick Scratch
Lay or Bust Chick Starter
Lay or Bust Duck Breeder (Mash or Pellets)
Lay or Bust Egg Mash
Lay or Bust Fleshing Pellets
Lay or Bust Growing Feed (Also Pelleted)
Lay or Bust Hi-Power Broiler Ration Mash & Pellets
Lay or Bust Hi-Valu Pellets
Lay or Bust Laying Pellets
Lay or Bust Poultry Fitting Ration
Lay or Bust T. N. T. (Temporary Nutritional Treatment)
Milk-Maid Bulky Sweet Dairy
Milk-Maid Calf Meal
Milk-Maid Calf Starter Mix
Milk-Maid Calf Starter Pellets
Milk-Maid 32% Dairy Mix
Milk-Maid 16% Dairy Ration
Milk-Maid 20% Dairy Ration
Milk-Maid Dri-Fresh Ration
Milk-Maid Fitting Ration
Milk-Maid Goat Feed
Milk-Maid Test Cow Ration
Milk-Maid 14% Test Ration
Park & Pollard Rabbit Pellets
Park & Pollard Stock Feed
Red Ribbon 16% Dairy Ration
Red Ribbon 18% Dairy Ration
Red Ribbon 20% Dairy Ration
Special Milk-Maid 20% Dairy
Yankee Horse Feed

Parrish & Heimbecker, Ltd., 43 Scott St., Toronto, Ontario, Canada. (*See MacDonald, A. S.*)

Pasco Packing Co., Dade City, Fla.

Sugar Sweet Citrus Meal
Sugar Sweet Citrus Pulp

Patent Cereals Co., Geneva, N. Y.

Hominy Feed

Penick & Ford, Ltd., Inc., Cedar Rapids, Iowa

Douglas Corn Gluten Feed

Pet Milk Co., Arcade Bldg., St. Louis, Mo.

Pet Brand Dry Skimmed Milk

Phenix Foods Co., 460 E. Illinois St., Chicago, Ill.

KRAYLETS for Livestock-Poultry
KRAYLETS Plus 2

Phenix Milling Co., Ltd., 69 Ainslie St., So., Galt, Ontario, Canada

"Phenix" Pure Wheat Bran
"Phenix" Wheat Shorts

A. D. Pierce, Brooklyn, Conn.

Pierce 20% Breeder Mash
Pierce Broiler Finisher
Pierce Growing Mash
Pierce Hi-Energy Mash
Pierce Laying Mash
Pierce Special Broiler
Pierce Special Layer
Pierce 20% Starter Mash

Pillsbury Mills, Inc., Pillsbury Bldg., Minneapolis 2, Minn.

Pillsbury's Amazon Second Clear
Pillsbury's Fancy Wheat Mixed Feed with Ground Wheat Screenings
Pillsbury's Hard Wheat A. Middlings with Ground Wheat Screenings
Pillsbury's Hard Wheat Bran with Ground Wheat Screenings
Pillsbury's Hard Wheat Standard B. Middlings with Ground Wheat Screenings
Pillsbury's Verona Durum Wheat Product
Pillsbury's Wheat Bran with Ground Wheat Screenings
Pillsbury's Wheat Germ Meal
Pillsbury's XX Daisy

Platte Valley Products, Inc., P.O. Box 564, Lexington, Neb.

Dehydrated Alfalfa Meal

Portage Valley Milling Co., Bradner, Ohio

Valley Green Dehydrated Alfalfa Meal

R. C. Pratt & Co., Ltd., 18 Toronto St., Toronto, Ontario, Canada

Ruler Brand Bran
Ruler Brand Shorts

Publicker Industries, Inc., 1429 Walnut St., Philadelphia, Penn.

Paco Molasses Distillers Dried Solubles

Pure Milk Products Co., Winsted, Minn.

Dried Whey Product

Purity Flour Mills, Ltd., Toronto, Ontario, Canada

Pioneer Bran

Quaker Oats Co., Merchandise Mart Plaza, Chicago 54, Ill.

Bell Cow Wheat Bran
 Bell Cow Wheat Shorts
 Feeding Oat Groats & Feeding Steel Cut Oat Groats
 Ful-O-Pep Broiler Finisher
 Ful-O-Pep Calf Ration
 Ful-O-Pep Calf Starter
 Ful-O-Pep Chick Starter
 Ful-O-Pep Complete Breeder (For Laying Hens)
 Ful-O-Pep Crate Fattener
 Ful-O-Pep 32% Dairy Concentrate
 Ful-O-Pep Dairy Feed
 Ful-O-Pep Egg-Breeder Mash
 Ful-O-Pep Egg-Breeder Ration
 Ful-O-Pep Egg Ration, A Complete Mash Feed
 Ful-O-Pep Fattening Feed Pellets Special
 Ful-O-Pep Fine Chick Grains
 Ful-O-Pep Fitting Feed
 Ful-O-Pep Flock Ration
 Ful-O-Pep Goat Feed
 Ful-O-Pep Growing Mash
 Ful-O-Pep Growing Ration
 Ful-O-Pep Horse Feed
 Ful-O-Pep Laying Mash
 Ful-O-Pep Milking Feed
 Ful-O-Pep Pro-Sweet Supplement
 Ful-O-Pep Rabbit Pellets
 Ful-O-Pep Sow Ration
 Ful-O-Pep Sow Supplement
 Ful-O-Pep Super Greens
 Ful-O-Pep Turkey Breeder
 Ful-O-Pep Turkey Finisher Pellets
 Ful-O-Pep Turkey Grower
 Ful-O-Pep 26% Turkey Grower
 Ful-O-Pep Turkey Starter
 Muffets Shredded Wheat Feed
 Peterborough Oat Huller Feed
 Quaker High Sweet Blend
 Quaker Oat Mill Feed with 25% Molasses
 Quaker 16% Protein Dairy Feed
 Quaker 20% Protein Dairy Feed
 Quaker Sugared Schumacher Feed
 Sugared Vim Feed
 Victor Feeding Rolled Oats
 Vim Oat Huller Feed
 Yellow Hominy Feed

Quebec Sugar Refinery, St. Hilaire Est., Quebec, Canada
 Dried Beet Pulp

Ralston Purina Co., Checkerboard Sq., St. Louis 2, Mo.

Corn & Oat Provender
 Dairy Premix
 Hominy Feed
 Northeastern 16% Dairy Feed
 Northeastern Scratch Feed
 Northeastern Special Dairy 16%
 Northeastern Special Dairy 18%
 Northeastern Special Dairy 20%
 Purina B & M Cow Chow
 Purina Beef Chow
 Purina Breeder Lay Chow E
 Purina Breeder Layena (Complete Ration) E
 Purina Broiler Chow E

Ralston Purina Co., Checkerboard Sq., St. Louis 2, Mo.—Cont.

Purina Broiler Chow Finisher E
 Purina Bulky Las
 Purina Calf Startena E
 Purina Chick Chow (Coarse)
 Purina Chick Chow (Fine)
 Purina Chicken Fatena
 Purina Chicken Fatena Checkers E
 Purina Chick Growena E
 Purina Chick Growing Chow E
 Purina Complete Sow & Pig Chow E
 Purina Cow Chow 14%
 Purina Cow Chow 16%
 Purina Cow Chow 18%
 Purina D & F Chow
 Purina D & F Chow E
 Purina Flock Chow E
 Purina Fox Chow E
 Purina Fox Chow (Without Meat Meal)
 Purina Game Bird Breeder Layena (Complete Ration) E
 Purina Game Bird Growena E
 Purina Game Bird Startena E
 Purina Goat Chow E
 Purina Hen Chow
 Purina Hog Chow Supplement
 Purina Hog Fatena E
 Purina Lay Chow E
 Purina Layena (Complete Ration) E
 Purina Milk Chow 18%
 Purina Milk Chow E 16%
 Purina Mink Chow
 Purina Nursing Chow
 Purina Omolene
 Purina Pig-Plus (For Runty Pigs)
 Purina Pig Startena E
 Purina Poultry Booster Chow E
 Purina Rabbit Chow Checkers (20%)
 Purina Rabbit Chow Checkers (Complete Ration) E
 Purina Range Checkers E
 Purina Roaster Chow
 Purina Steer Fatena G (E)
 Purina Turkey Breeder Layena E
 Purina Turkey Fatena E
 Purina Turkey Growena E
 Purina Turkey Startena E
 Screened Cracked Yellow Corn

Reliable Grain & Fuel Co., Ansonia, Conn.

Reliable Growing Feed with Cod Liver Oil
 Reliable Laying Mash with Cod Liver Oil
 Reliable 16% Pro. Dairy Feed

Riverside Elevator Co., Penobscot Bldg., Detroit, Mich.

Walker's Stimuflav (*Corn Distillers' Dried Solubles*) (Mfr'd. by the Hiram Walker & Sons, Ltd., Walkerville, Ontario, Canada)

Robin Hood Flour Mills, Ltd., Moose Jaw, Saskatchewan, Canada

Superior Wheat Bran

Rohloff Bros., Inc., R.F.D., Graytown, Ohio

Dehydrated Alfalfa Meal

H. M. Rubin Co., Inc., 53-01 Vernon Blvd., Long Island City, N. Y.

Rubco Meat Bone Scrap 50%

H. M. Rubin Co., Inc., 53-01 Vernon Blvd., Long Island City, N. Y.—Cont.

Rubco Meat Bone Scrap 55%
 Rubco Meat Bone Scrap 60%
 Rubco Steamed Bone Meal

Russell-Miller Milling Co., P.O. Box 964, Minneapolis, Minn.

Hard Wheat Occident Bran
 Hard Wheat Occident Flour Middlings
 Hard Wheat Occident Mixed Feed containing Ground Wheat Screenings
 Hard Wheat Occident Standard Middlings containing Ground Wheat Screenings

Saunders Mills, Inc., Toledo, Ohio

Vita Greens Alfalfa Meal Dehydrated

Wolf Savitsky & Sons, Inc., Foot of White St., Shelton, Conn.

Wolf's Broiler Finisher
 Wolf's Calf Ration
 Wolf's Complete "Hi-Eff" Egg Breeder Mash
 Wolf's Complete "Hi-Eff" Growing Mash
 Wolf's Egg Mash
 Wolf's Growing Mash
 Wolf's Hi-Speed Broiler Ration
 Wolf's Horse Feed
 Wolf's Performo-Las
 Wolf's Pig & Hog Feed
 Wolf's Stock Feed
 Wolf's Sweetened 14% Dairy Ration
 Wolf's Sweetened 16% Dairy Ration
 Wolf's Sweetened 18% Dairy Ration
 Wolf's Sweetened 20% Dairy Ration

Schenley Distillers, Inc., 350 5th Ave., New York 1, N. Y.

Schenley's Soludri Distillers Solubles Dried

Schoeneck Farms, Inc., R. D. #3, Nazareth, Penn.

Schoeneck's Super-Green Dehydrated Alfalfa Meal

Sea Board Supply Co., 35th & Grays Ferry Ave., Philadelphia 46, Penn.

Crab Meal
 Dried Tomato Pomace

Joseph E. Seagram & Sons, Inc., 7th St. Rd., Louisville, Ky.

Seagram's Corn Distillers Dried Grains
 Seagram's Corn Distillers Dried Solubles

Seymour Grain & Coal Co., 100 Main St., Seymour, Conn.

Miracle Dairy Ration
 Miracle Fitting Ration
 Miracle Grower
 Miracle Hi-Energy Starter & Broiler Ration
 Miracle Hog Ration
 Miracle Horse Feed
 Miracle Mash
 Miracle Scratch Feed
 Miracle Turkey Grower
 New England Mash
 See-More Milk Dairy Ration 18%
 See-More Milk Dairy Ration 20%

The A. E. Shedd Co., Norwich, Conn.

Shedd's Dairy Ration
 Shedd's Fitting Ration

The Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland, Ohio.
Sherwin-Williams 34% Linseed Oil Meal

Sherwood Feed Mills, Inc., 500 President St., Baltimore 2, Md.
Brewer's Dried Grains

Silmo Chemical Corp., Vineland, N. J.

(See also Vitamin D Carriers)

Silmo Vit-AD-1500

Silmo Vit-D-1500

Vit-D-150 M

W. J. Small Co., Div. Archer-Daniels-Midland Co., 1200 Oak St., Kansas City, Mo.
Small's 17% Dehydrated Alfalfa Meal

David Small, East Hartford, Conn. *(See Yieldmor Feeds)*

Allen V. Smith, Inc., Marcellus Falls, N. Y.

Smith's Barley Feed *(Red Tag Brand)*

Smith Meal Co., Inc., Amagansett, N. Y.

Smith's Life Line Fish Meal

South Windsor Grain Co., South Windsor, Conn.

Valley Growing Mash

Valley Laying Mash

Southern Fruit Distributors, Inc., Orlando, Fla.

Bluebird Dried Citrus Pulp

Bluebird Sugarsweet Dried Citrus Pulp

Sperti Products, Inc., 816 Clinton St., Hoboken, N. J.

Sperti Dried Brewers Yeast Type #1

A. E. Staley Mfg. Co., 22nd & Eldorado Sts., Decatur, Ill.

Hi-Pro-Con 50% Pro. Dehulled Solvent Extracted Soybean Oil Meal

Staley's Corn Gluten Feed

Staley's 44% Pro. Solvent Extracted Soybean Oil Meal

Staley Milling Co., Kansas City 16, Mo.

Hy-Power Hominy Feed with Corn Screenings

D. A. Stickell & Sons, Inc., Hagerstown, Md.

Stickell's Intermediate Chick Feed

Su-Pur Horse & Calf Feed

Su-Pur Rabbit Pellets

Victor Chick Feed

Zip Egg Mash

Stock-Gro, Inc., 30 No. Michigan Ave., Chicago 2, Ill.

Simmons Condensed Whey 55% Solids

Simmons Stock-Gro

Suni Citrus Products Co., Haines City, Fla. *(See Ashcraft-Wilkinson Co.)*

Sunny Slope Farms, Inc., Nazareth, Penn.

Sunny Slope Farms Brand Dehydrated Alfalfa Meal

Sunshine Biscuits, Inc., Milling Div., Rosedale Station-Box 56, Kansas City 3, Kan.

U. M. C. Wheat Bran-Pure Wheat Bran

Sweetall Mfg. Co., Williamstown, N. Y.

Sweet Colass

Swift & Co., P.O. Box 110, Fostoria, Ohio

Swift's 36% Pro. Cottonseed Meal or Pellets
 Swift's 41% Pro. Cottonseed Meal or Pellets
 Swift's 44% Pro. Solvent Extracted Soybean Oil Meal or Pellets

Thomaston Supply Co., Inc., Thomaston, Conn.

Thomaston 16% Dairy Ration
 Thomaston 18% Dairy Ration
 Thomaston Dry Stock Feed
 Thomaston Egg Mash
 Thomaston Growing Mash
 Thomaston Starter & Broiler Mash

Toledo Soybean Products Co., Toledo, Ohio

Super-Duo Soybean Oil Meal (Expeller)

Tri Associates, Inc., 8500 Pillsbury Ave., South, Minneapolis, Minn.

Tri's Grade A Calf Starter-Grower

Union Sales Corp., Distributor for Union Starch & Refining Co., 301 Washington St., Columbus, Ind.

Union Corn Gluten Feed

United Cooperative Farmers, Inc., 339 Broad St., Fitchburg, Mass.

UCF All Mash Grower & Layer
 UCF Breeder
 UCF Broiler Mash
 UCF Calf Meal
 UCF Calf Starter
 UCF Calving Ration
 UCF 16% Dairy
 UCF Egg Mash
 UCF Fitting Ration
 UCF Grower
 UCF Horse Feed
 UCF Layer
 UCF Milkmaid
 UCF Pig & Hog Feed
 UCF Poultry Fattening Ration
 UCF Starter
 UCF Stock Feed
 UCF 16% Super Dairy
 UCF Super Starter
 UCF Turkey Grower & Fattener
 UCF Turkey Starter

United States Alfalfa Products Co., Verdon, Neb. (See Yantic Grain & Products Co.)

Unity Feeds, Inc., 177 Milk St., Boston, Mass.

Paycheck 18% Dairy Ration
 Royal 16% Dairy Ration
 Royal 18% Dairy Ration
 Unity Breeder Mash
 Unity Bulky-Mix Ration
 Unity Calving Ration
 Unity Chick Scratch Feed
 Unity Complete Growing Mash
 Unity Complete Market Egg Mash
 Unity Complete Rabbit Pellets
 Unity Confinement Growing Mash
 Unity Dairy & Fitting Ration
 Unity 16% Dairy Ration
 Unity 18% Dairy Ration
 Unity Growing Mash

Unity Feeds, Inc., 177 Milk St., Boston, Mass—Cont.

Unity High Energy Breeder Mash
Unity High Energy Layer & Breeder Ration
Unity High Energy Laying Mash
Unity Horse Feed
Unity Laying Mash
Unity Pig & Hog Ration
Unity Poultry Fitting Ration
Unity Scratch Feed
Unity Stock Feed
Unity Super-Gro Ration
Unity Super Ration
Unity Tri-Way Mash
Unity Turkey & Game Bird Growing Mash
Unity Turkey & Game Bird Super Ration
Unity Turkey Finishing Pellets

Universal Grain Co. of New Jersey, 425 South St., Newark, N. J.

Superior Cow Brand

Valier & Spies Milling Co., Div. of Flour Mills of America, Inc., 5020 Shreve Ave., St. Louis 15, Mo.

Valier's Wheat Bran

Victory Mills, Ltd., 285 Fleet St., East, Toronto, Ontario, Canada

"Veeline" Soybean Oil Meal

Hiram Walker & Sons, Inc., Peoria 1, Ill.

Corn Distillers Dried Grains with Solubles

Hiram Walker & Sons, Ltd., Walkerville, Ontario, Canada (See *Riverside Elevator Co.*)**Watertown Co-op Assoc., Inc., 27 Depot St., Watertown, Conn.**

Storr's Calf Ration
Storr's 16% Pasture Ration
Storr's Standard 20% Dairy Ration
Watertown Co-op Broiler Mash
Watertown Co-op Growing Mash
Watertown Co-op Laying Mash
Watertown Co-op Starter Mash
Watertown Co-op Turkey Growing Mash

H. K. Webster Co., Lawrence, Mass.

Blue Seal All-Mash Breeder's Ration
Blue Seal All-Mash Egg Ration
Blue Seal All-Mash Growing Ration
Blue Seal Breeder's Mash
Blue Seal Calf Starter
Blue Seal Chick Feed
Blue Seal Coarse "16" Dairy Ration
Blue Seal Coarse "20" Dairy Ration
Blue Seal "32" Dairy Concentrate
Blue Seal Economizer "16" Dairy Ration
Blue Seal Egg Mash
Blue Seal Fattening Pellets
Blue Seal Fine "16" Dairy Ration
Blue Seal Fine "20" Dairy Ration
Blue Seal Fitting Ration
Blue Seal Goat Feed
Blue Seal Growing Mash
Blue Seal Horse Feed
Blue Seal Pig Feed
Blue Seal Poultry & Turkey Fitting
Blue Seal Rabbit Pellets
Blue Seal Stock Feed

H. K. Webster Co., Lawrence, Mass.—Cont.

Blue Seal Succulent Feed
 Blue Seal Super All-Mash Breeder's Ration
 Blue Seal Super All-Mash Egg Ration
 Blue Seal Super All-Mash Growing Ration
 Blue Seal Super Mash
 Blue Seal Super Starter & Broiler
 Blue Seal Test Ration
 Blue Seal Turkey Growing

West-Nesbitt, Inc., Oneonta, N. Y.

All Pure Milk Ration
 Pure Feed Calf Grower
 Pure Feed Calf Meal
 Pure Feed Chick Grains
 Pure Feed Complete Rabbit Pellets
 Pure Feed Connecticut Broiler Ration
 Pure Feed 16% Dairy Ration
 Pure Feed 20% Dairy Ration
 Pure Feed Dairy-Test Ration
 Pure Feed Egg & Breeder Mash
 Pure Feed Egg Maker
 Pure Feed 14% Fitting Ration
 Pure Feed Growing Mash
 Pure Feed High Energy Layer
 Pure Feed Horse Ration
 Pure Feed Poultry Fitting Ration
 Pure Feed Starting Mash
 Pure Feed Sweet "20"
 Pure Feed Swine Ration
 Pure Feed Turkey Finisher
 Pure Feed Turkey Grower
 Pure Feed Turkey Starter

Western Condensing Co., Appleton, Wisc.

Peebles' "55"
 Peebles' "Calf-Kit"
 Peebles' Dried Whey-Product 58% Lactose with Whey Fermentation Solubles (Ribolac)
 Peebles' Dried Whole Whey with Dried Whey Fermentation Solubles (Ribolac)
 Peebles' Free Choice Feed
 Peebles' M-N-C

A. C. Wetherell, Suffield, Conn.

Special Dairy Mixture No. 3

Whitmoyer Laboratories, Inc., Myerstown, Penn.

(See also *Vitamin D Carriers*)

Clo-Meal
 Flav-A-Dee
 Gro-Tein
 Whitmoyer Quality Fish Meal 55%
 Whitmoyer Quality Fish Meal 60%

Wilkins-Rogers Milling Co., Inc., 3261 K St., N. W., Washington, D. C.

Big Five Dairy Feed
 Washington Growing Mash
 Washington Horse Feed
 Washington Laying Mash
 Washington Scratch Feed

Winter Garden Citrus Products Cooperative, Winter Garden, Fla.

Wholesun Dried Citrus Pulp

Yantic Grain & Products Co., 3 Cove St., Norwich, Conn.

Badger Powdered Skim Milk for Animal Feed (*Mfr'd. by Consolidated Badger Co-op, Shewano, Wis.*)

Barton's 17% Dehydrated Alfalfa Meal (*Mfr'd. by Barton Mills, Inc., Omaha, Neb.*)

BF Corn Distillers Solubles (*Mfr'd by Brown-Forman Distillers' Corp., Louisville, Ky.*)

Big Y All in All Egg Ration

Big Y All in All Growing Ration

Big Y Aureomycin Mixture

Big Y Breeder Mash

Big Y Calf Ration

Big Y Calf Starter & Builder

Big Y Calving Ration

Big Y Chick Scratch Grain

Big Y Coccidiosis Control Mixture

Big Y Confinement Growing Mash

Big Y Dairy & Fitting Ration

Big Y 16% Dairy Ration

Big Y 18% Dairy Ration

Big Y 20% Dairy Ration

Big Y 32% Dairy Supplement Feed

Big Y Egg Maker

Big Y Hi-Efficiency Breeder Ration

Big Y Hi-Efficiency Laying Mash

Big Y High Efficiency Range Grower

Big Y Hi-G Dairy

Big Y Hi-G Scratch Feed

Big Y Hog & Pig Ration

Big Y Horse Feed

Big Y Improved Al-Mo

Big Y Improved Broiler Finisher

Big Y Improved Broiler & Starter Ration

Big Y Intergro Ration

Big Y Intermediate Chick Grain

Big Y 20% Laying Mash

Big Y M & O Growing Feed

Big Y M & O Laying Mash

Big Y Meat Pullet & Capon Ration

Big Y Poultry Fitting Ration

Big Y Progressive Growing Feed

Big Y Purity Dairy Ration

Big Y Rabbit Pellets

Big Y Scratch Feed

Big Y Sheep & Goat Feed

Big Y Station Fattener Pellets

Big Y Stock Feed

Big Y Super Broiler Starter Ration

Big Y Test Cow Ration

Big Y Turkey Breeder Mash

Big Y Turkey Fattener

Big Y Turkey Growing Feed

Big Y Turkey Starter & Game Bird Feed

Yieldmor Feeds, Inc., 101 S. Downing St., P.O. Box 807, Piqua, Ohio

David Small's Fleshing Pellets (*Mfr'd. for David Small, East Hartford, Conn.*)

David Small's Hi-Energy Broiler Ration (*Mfr'd. for David Small, East Hartford, Conn.*)

David Small's High Efficiency All Mash Breeder (*Mfr'd. for David Small, East Hartford, Conn.*)

Yieldmor 22% Breeder Mash

Yieldmor 35% Egg Concentrate

Yieldmor Finishing Pellets

Yieldmor Growing Mash

Yieldmor Feeds, Inc., 101 S. Downing St., P.O. Box 807, Piqua, Ohio—Cont.

Yieldmor Scratch
Yieldmor Station Fattener Pellets

Meyer Zausner, Inc., New Holland, Penn.

Zausner Condensed Whole Whey

Vitamin D Carriers

The Borden Co., 350 Madison Ave., New York 17, N. Y. (See also Feeds)

Borden's Ration-Ayd for Poultry Mash
Borden's Vampros Accessory Feed for Poultry
Bospro Vitamin A & D Supplement
Ration-Ayd for Hogs, A Mixer's Ingredient for Fortifying Pig & Hog Feeds

Consolidated Products Co., Danville, Ill. (See also Feeds)

Semi-Solid "E" Emulsion
Semi-Solid "E" Emulsion Self Feeding
Semi-Solid Pig Emulsion

Dawe's Laboratories, Inc., 4800 So. Richmond St., Chicago, Ill. (See also Feeds)

Dawe's Fixtdee
Dawe's Vitamelk
Flavonne Ribo-D

Deep Sea Products, Inc., 169 Front St., So. Portland, Me.

Sea Rich A & D Feeding Oil

E. F. Drew & Co., Inc., 416 Division St., Boonton, N. J.

Vitand Feeding Oil

E. I. duPont de Nemours & Co., Wilmington 98, Del.

Du Pont Delsterol 1500-D "D"-Activated Animal Sterol (Vit. D₃) in Corn Meal
Du Pont Delsterol 3000-D "D"-Activated Animal Sterol (Vit. D₃) in Corn Meal

Eastern States Farmers' Exchange, Inc., West Springfield, Mass.

Calf Tablets
Vitamin A & D Feeding Oil

The Fox Co., Newfield, N. J.

Foxco Dependable Dry 1500 D
Foxco Qualadee A & D Feeding Oil
Foxco Qualadee Dry A & D
Foxco Vitamin D Feeding Oil

Gorton-Pew Fisheries Co., Ltd., 327 Main St., Gloucester, Mass. (See also Feeds)

Gorton's Al-Blend "Jr."
Gorton's Al-Blend "Sr."
Gorton's "G.P."
Gorton's Vitamin "A" & "D" Feeding Oil

Marden-Wild Corp., Somerville, Mass.

Marden's Poultry Feeding Cod Liver Oil 300D/1500A per gram
Marden's Vitamin A & D Feeding Oil 300D/750A per gram
Marden's Vitamin A & D Feeding Oil 300D/1500A per gram
Marden's Vitamin A & D Feeding Oil 300D/2250A per gram

McKesson & Robbins, Inc., Chemical Div., 155 E. 44th St., New York, N. Y.

Peder Devold Cod Liver Oil USP Destearinated

Merchants Creamery Co., Cincinnati, Ohio. (See also Feeds)

Blue Ribbon Emulsion

Nopco Chemical Co., Harrison, N. J. (*See also Feeds*)

Nopco 300 Vitamin A & D Feeding Oil
Nopco XXX Cod Liver Oil with added Vitamin A & D Concentrate
Nopdex "1500"
Nopdex "3000"
Quadrex

Silmo Chemical Corp., Vineland, N. J. (*See also Feeds*)

Silmo 100-D-Oil
Silmo Vit-AD-1500
Silmo 300 Vit. A & D Feeding Oil
Silmo Vit-D-1500
Silmo X Vitamin A & D Feeding Oil
Silmo XX Vitamin A & D Feeding Oil
Silmo XXX Vitamin A & D Feeding Oil
Vit-D-150 M

Whitmoyer Laboratories, Inc., Myerstown, Penn. (*See also Feeds*)

Dri-Col
Dri-Col 300D-750A
Flav-A-Dee
Whitcod Cod Liver Oil Concentrate
Whitcod Pure Cod Liver Oil USP Non Destearinated
Whitmoyer 85D Feeding Oil
Whitmoyer Quality Vitamin A & D Feeding Oil

SUMMARY OF INSPECTION

In the calendar year 1953, a total of 2,042 samples was examined. This total included official samples of commercial feeds and vitamin D carriers, and miscellaneous materials as shown in the following summary:

Biological specimens analyzed for poison	229
Check feeds, A. A. F. C. O., etc.	16
Commercial feeding stuffs, official samples	937
Fish foods	3
Medicated feeds	53
Miscellaneous feeds, etc., analyzed for purchasers	106
Pasture grass, etc., samples for Storrs Station	628
Vitamin D carriers, official samples	70
	<hr/>
	2,042

Samples examined for Storrs Station are in connection with investigations carried on by that Station and are not for discussion in this report.

COMMERCIAL FEEDING STUFFS

The results of analysis of official inspection samples, other than vitamin D carriers, are summarized as follows:

Total number of samples	937
Samples deficient in:	
one item	77
two items	7
Percentage of samples meeting guaranties	91
Total guaranties made	2,799 ¹
Guaranties not met:	
protein	33
fat	49
fiber	9
Percentage of guaranties met	97

Twenty-three less samples were found deficient in 1953 than in 1952. For the fifth successive year deficiencies in fat have considerably exceeded those for any other ingredient; the cause of this is probably failure of mixers to take into account the fact that the more efficient extraction processes now in use leave less fat in vegetable meals than did the methods formerly employed.

The percentages of samples meeting all guaranties (91), and of guaranties met (97), were both higher this year than in 1952.

Chemical analyses of official samples are given in Table 1; deficiencies are shown in **bold face type**.

VITAMIN D CARRIERS

Seventy samples of vitamin D carriers were tested during the year. Results of biological tests are summarized in Table 2; assays of poultry feed supplements were made by the official A.O.A.C. method using

¹Seven samples with two guaranties, one with only one guaranty and one with no guaranty.

day-old chicks, while feed supplements for four-footed animals were assayed by the U.S.P. method using rats. Sixty-nine samples, or 99 per cent, met their guaranteed potencies or were sufficiently close thereto to be passed; only one sample ("Blue Ribbon 'E' Mulsion", made by Merchants Creamery Co., Cincinnati, Ohio) was deficient. During the entire 17-year period from 1937 to 1953 inclusive, 891 samples have been examined, of which 801, or 90 per cent, have been passed.

The former A.O.A.C. chick unit for vitamin D was abolished by the Association of Official Agricultural Chemists in 1950. Since it is now an obsolete unit, it has no longer any proper place on feed labels. Since 1951 we have followed the practice recommended by the Association of American Feed Control Officials of requiring guaranties for vitamin D poultry supplements to be in terms of International chick units per pound. Vitamin D carriers intended for use by four-footed animals should be guaranteed in terms of U.S.P. units per gram.

MEDICATED FEEDS

Medicated feeds are still not required to be registered under the feeding stuffs law, but they are analyzed every year for their drug contents. Forty-two samples of sulfaquinoxaline feeds, and 11 nitrophenide feeds, or a total of 53 medicated feed samples, were analyzed during 1953. Most of these samples were taken by Inspector William Stroffolino of the Food and Drug Commission. Analyses are given in Tables 3 and 4; deficiencies are in **bold face** type. Of the sulfaquinoxaline feeds 33, or 79 per cent, were passed; eight, or 73 per cent, of the nitrophenide feeds were passed.

The addition of organic arsenicals such as 3-nitro-4-hydroxyphenylarsonic acid and arsanilic acid to poultry feed has begun to make its appearance. These compounds are added in very small proportions (0.005 to 0.01 per cent) for the purpose of improving feathering of the birds; tests appear to have shown that none of the arsenic is carried over into the meat. One of the 1953 sulfaquinoxaline feeds contained 3-nitro-4-hydroxyphenylarsonic acid, and four of the nitrophenide feeds contained arsanilic acid; all five samples were analyzed for the arsenicals as well as for the respective anticoccidial drugs, and all except one met their guaranties. (The one exception was a sample of "B-B Ma-Co Nitrophenide Arsanilic Acid Broiler Ration" which was deficient in arsanilic acid.)

FISH FOODS

Analyses of seven commercial fish foods were given in the 1952 Report.¹ In 1953 three more such preparations were analyzed, as follows:

4426. *Fish-Ade Tropical Fish Food*. Aquarium Research Corp., Wantagh, N. Y. Declared to contain "toasted wheat cereal, dehydrated beef, fish and liver meal, raw bone meal, soy bean meal, wheat germ,

¹Conn. Agr. Expt. Sta., Bul. 573, 116 (1953).

wheat middlings, alfalfa leaf meal, brewers' yeast, dehydrated carrots, carotene, cod liver oil, irradiated yeast, iron, ammonium citrate, fractionated liver, and enriched with TERRAMYCIN, XANTHO and B-12". Microscopic examination showed the presence of wheat germ meal, fish meal, alfalfa meal or alfalfa leaf meal, wheat middlings, raw bone, salt, and probably soybean oil meal, but no "toasted wheat cereal", dehydrated beef, liver meal, yeast or dehydrated carrots could be found; there is no such substance as "Xantho". Analysis showed: Water, 8.02; protein, 28.50; fat, 5.04; fiber, 2.65; nitrogen-free extract, 42.51, and ash, 13.28, per cent.

4427. *Longlife Medium Tropical Fish Food*. Longlife Fish Food Products, Union City, N. J. Labelled "Ingredients: Crab meal, liver, shrimp; beef, fish, mosquito larvae, eggs, fish bone and wheat cereal". Microscopic examination showed the presence of fish bone and calcium carbonate; fish meal, wheat cereal and crab meal were probably also present. Analysis was as follows: Water, 6.81; protein, guaranteed 35, found 31.06; fat, guaranteed 7, found 7.73; fiber, guaranteed 3, found 1.88; nitrogen-free-extract, 35.81, and ash, 16.71, per cent.

4428. *Sus-Tane Medium*. Aquarium Research Corp., Wantagh, N. Y. Labelled "Nutritious contents: Wheat flour, meat meal, bone meal, wheat bran, wheat germ meal, tomato pulp, irradiated dried yeast, B-Y, 1% Micro Conc. [CaSO_4 , MnSO_4 , KI, FeSO_4 , $\text{Cu}_2\text{CO}_3(\text{OH})_2$], salt, Vitamin A Feeding Oil, dried skim milk, brewers dried yeast." Microscopic examination indicated the presence of bone, tomato pulp, salt, calcium carbonate and probably meat meal, as well as a trace of wheat bran. Analysis was as follows: Water, 8.19; protein, guaranteed 20, found 22.44; fat, guaranteed 3.5, found 3.26; fiber, guaranteed 2, found 1.39; nitrogen-free extract, 58.49, and ash, 6.23, per cent.

MISCELLANEOUS FEEDS

One hundred and six unofficial samples of feed and fodder materials were examined. This total included commercial feeding stuffs analyzed at the request of purchasers and dealers, as well as a number of samples of hay and silage submitted by farmers. Seven feeds were analyzed for the Federal Correctional Institution at Danbury, including two containing sulfaquinoxaline. One sulfaquinoxaline feed, 3548, analyzed for a poultryman, was found to contain only 0.0075 per cent of the drug; another broiler feed sample, 5914, contained 0.0198 per cent of nitrophenide — about one-and-one-half times the normal concentration.

Three samples of silage were analyzed for lactic and other acids as well as for the usual feed ingredients. Sample 4648 (a soybean-millet silage) contained only 0.017 per cent of lactic acid but 1.60, 0.21 and 1.93 per cent respectively of acetic, propionic and butyric acids, indicating abnormal fermentation. (According to Morrison's "Feeds and Feeding",¹ normal silage contains 1.2 — 2.4 per cent of total acids, mostly lactic acid.) Sample 6137 contained 0.18 per cent of lactic acid and 1.63

¹1st Ed. (1948), p. 318.

per cent of acetic acid, and sample 6552 (a corn silage) contained 0.05 per cent of lactic acid and 0.046 per cent of acetic acid.

A number of the feeds were submitted with complaints that animals refused to eat them or because contamination with poisonous ingredients was suspected. Six samples were found to be contaminated: A dog food, 4212, contained 30 parts per million of lead; two other dog food samples, 4598 and 4599, each contained 25 p.p.m. of hydrocyanic acid retained from a fumigation; a sample of soil from a barnyard where goslings were raised contained 6 p.p.m. of arsenic; and a sample of corn, 6414, and of soil from around where chickens were pecking, 6413, contained 11 and 6 p.p.m. respectively of arsenic, present as lead arsenate. Besides these, in a collection of 14 miscellaneous materials submitted in an attempt to discover the origin of lead-poisoning in a flock of sheep we found five lead-zinc paints and a lead arsenate sheep drench. To our surprise we learned that each lamb in the flock had been given routinely one and one-half ounces of this drench, containing 0.5 gm./fl. oz. of lead arsenate together with an unspecified quantity of phenothiazine.

BIOLOGICAL SPECIMENS EXAMINED FOR POISONS

Two hundred and twenty-nine biological samples were examined in connection with suspected poisoning, mostly of domestic animals and poultry. In 70 of these, poisonous substances were found in sufficient quantity to suggest probable or possible causes of death.

The poisonous materials, and the number of specimens in which they were found, are summarized as follows: Antimony with barium (1), arsenic (2), arsenic with bismuth (1), arsenic with copper (Paris Green) (1), "benzene hexachloride" (2), beryllium (16), boron (boric acid or borax) (1), cadmium (3), cadmium with lead (1), cadmium with mercury and zinc (2), cyanide (4), DDT (1), lead (20), lead with zinc (2), mercury (7), strychnine (2), thallium (2) and zinc (2). The predominant poisons were lead (23 cases) and beryllium (16 cases). (The beryllium samples, however, were air filter samples taken in factories by the Bureau of Industrial Hygiene of the State Department of Health and therefore represented potential rather than actual poisonings.) The seven cases of mercury poisoning, as well as the one case in which mercury was found together with cadmium and zinc, were all out-of-the-ordinary in that neither cattle nor poultry were involved: the poisoned animals included three chinchillas, two human beings, a cat, a raccoon and a squirrel. The only case of DDT poisoning was a canary which died two days after spraying of a kitchen with a 5 per cent DDT spray; 11 parts per million of this compound were found in the bird. The two cases of probable hexachlorocyclohexane ("benzene hexachloride") poisoning involved a dog and a pig; the proportions found were 6 and 4 p.p.m. respectively. Thallium was detected in the urines of two dogs, and both strychnine cases also involved dogs (0.09 and 0.37 grain respectively of strychnine were isolated from the two animals).

The number of samples submitted for toxicological examination has been constantly increasing: the 229 samples received in 1953 were an increase of 26 per cent over the 182 samples of 1952, and exceeded by 71 per cent the 134 samples of five years ago and by 214 per cent the modest 73 samples received in 1943.

CHECK FEEDS

Six check feed samples were analyzed in the check feed program sponsored by the Association of American Feed Control Officials, and nine samples of alfalfa were analyzed for carotene in a program also sponsored by that association. One mineral feed was analyzed in a collaborative study of methods for the determination of copper that was conducted by the Association of Official Agricultural Chemists.

DETERMINING GUARANTIES

The most reliable way to determine safe guaranties for feed mixtures is by analysis. Larger manufacturers with laboratory facilities follow this method. Small manufacturers and home mixers are without such facilities and they must resort to other means. A close estimate can be made by a simple calculation using as a guide the analysis tags on the ingredients to be mixed.

If, for example, a mixture is to be made with cottonseed meal, corn meal, ground oats, gluten feed and wheat bran as ingredients, we may assume that the tags for these several ingredients show the following percentages of protein, fat and fiber:

Ingredient	Protein per cent (lbs. per 100)	Fat per cent (lbs. per 100)	Fiber per cent (lbs. per 100)
Cottonseed meal	41	7	11
Corn meal	24	2	11
Ground oats	12	5	11
Gluten feed	25	2	7
Wheat bran	16	5	10

Remembering that per cent means pounds per 100 pounds, then 100 pounds of each of the materials listed above will contain the number of pounds of the several nutrients shown.

If the formula to be mixed calls for the pounds of ingredients shown in column 1 below, then the pounds of the several nutrients will be as shown in columns 2, 3 and 4. The total weight of the mix is seen to be one ton (20 hundred pounds), so the analysis of the finished product is found by dividing the totals by 20, or by moving the decimal point one place to the left and dividing by 2.

Example

Column 1		2	3	4
		Protein lbs.	Fat lbs.	Fiber lbs.
Cottonseed meal	200 lbs.	82	14	22
Corn meal	200 lbs.	48	4	22
Ground oats	600 lbs.	72	30	66
Gluten feed	300 lbs.	75	6	21
Wheat bran	700 lbs.	112	35	70
Totals	2,000 lbs.	389	89	201
Per cent		19.45	4.45	10.05

Mixers should remember that for protein and fat the guaranties are minimum values; for fiber the guaranty is the maximum. In other words, the manufacturer guarantees that protein and fat will not be less than the percentages declared, and in the case of fiber that it will not exceed the figure declared.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)							
			Protein (N x 6.25)		Fat		Fiber			
			Moisture	Guaranteed not less than Found	Guaranteed not less than Found	Guaranteed not less than Found	Guaranteed not more than Found			
Ackerman-Beardsley-Bennett, Inc., Albany, N. Y.										
4630	Corn Distillers Dried Grains	Bridgeport: Brooklawn Grain & Feed Co.	8.26	25.38	25.00	9.92	5.00	8.21	15.00	
Acme-Evans Co., Inc., Indianapolis, Ind.										
4992	Acme Wheat Bran	Canaan: Community Service, Inc.	13.00	15.63	14.00	3.59	3.00	7.63	9.50	
4991	Acme Wheat Standard Middlings	Canaan: Community Service, Inc.	11.79	15.63	14.00	3.56	3.00	7.47	9.50	
Albers Milling Co., Los Angeles, Calif.										
7556	Calf Manna	Newtown: Fairfield State Hospital	7.79	25.88	25.00	4.67	3.50	3.64	5.50	
7644	Calf Manna	Middlefield: Middlefield Grain & Coal Co.	7.30	26.13	25.00	4.76	3.50	3.95	5.50	
Albion Alfalfa Mill, Inc., Albion, Neb.										
7852	Beaver Brand 17% Dehydrated Alfalfa Meal	Norwich: The Yantic Grain & Products Co.	5.21	18.75	17.00	2.89	1.50	24.17	27.00	
Allied Mills, Inc., Libertyville, Ill.										
7811	June Pasture (Alfalfa Meal and Beet Molasses)	Cornwall Bridge: R. W. Sandmeyer	8.62	14.75	10.00	1.72	0.50	17.76	26.00	
7854	Wayne Breeder Mash	Winsted: C. S. Roberts & Sons	7.44	22.63	20.00	3.01	3.00	4.69	5.50	
7173	Wayne Calf Starter	Plainville: Sunshine Feed Store	10.16	17.06	16.00	3.14	3.00	6.15	9.00	
4879	Wayne Chick Feed	Plainville: Sunshine Feed Store	15.02	9.19	9.00	2.89	2.00	0.94	4.00	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	
Allied Mills, Inc.,—Cont. Libertyville, Ill.									
4884	Wayne Chick Starter	Plainville: Sunshine Feed Store	11.87	22.06	20.00	3.62	3.00	4.19	5.50
4887	Wayne 16% Dairy Feed	Plainville: Sunshine Feed Store	13.59	16.38	16.00	4.22	3.50	6.70	9.00
7812	Wayne 20% Dairy Ration	Cornwall Bridge: R. W. Sand- meyer	9.39	22.06	20.00	3.57	3.50	6.59	9.00
4880	Wayne 26% Egg and Breeder Supple- ment	Plainville: Sunshine Feed Store	12.40	26.00	26.00	3.54	2.50	6.87	10.00
7813	Wayne Egg Mash	Cornwall Bridge: R. W. Sand- meyer	8.60	21.19	20.00	4.44	3.00	4.74	5.50
7861	Wayne Egg Mash	Plainville: Sunshine Feed Store	7.76	21.88	20.00	4.22	3.00	5.38	5.50
7863	Wayne Fattening Pellets (For Chick- ens, Turkeys and Ducks)	Plainville: Sunshine Feed Store	8.42	19.25	18.00	4.11	3.00	4.23	6.00
7320	Wayne Fitting Ration	Suffield: A. C. Wetherell	8.22	14.94	13.00	4.39	3.00	7.20	8.50
4886	Wayne Flushing Mash	Plainville: Sunshine Feed Store	10.79	24.50	20.00	2.86	3.00	3.47	7.00
7319	Wayne Growing Mash	Suffield: A. C. Wetherell	8.37	22.25	20.00	4.29	2.50	4.86	5.50
7174	Wayne H-A-D Krums	Plainville: Sunshine Feed Store	9.67	22.69	20.00	3.48	3.50	2.96	4.00
7183	Wayne Horse Feed	Plainville: Sunshine Feed Store	10.47	10.69	9.00	3.94	2.50	7.26	12.00
4882	Wayne Mink Meal	Plainville: Sunshine Feed Store	10.26	23.81	22.00	5.58	4.00	5.97	7.50
7321	Wayne Pork Maker	Suffield: A. C. Wetherell	8.64	15.94	14.00	4.18	3.00	5.26	8.00
7862	Wayne Rabbit Ration	Plainville: Sunshine Feed Store	7.35	18.63	17.00	3.42	3.00	11.78	15.00
4883	Wayne Ranch Meal	Plainville: Sunshine Feed Store	10.83	18.00	18.00	4.78	3.50	5.93	9.00
7176	Wayne Test Cow Ration	Plainville: Sunshine Feed Store	9.86	18.75	16.00	4.23	4.00	6.43	9.00
7864	Wayne Turkey Fitting Ration	Plainville: Sunshine Feed Store	8.99	12.81	11.00	3.86	2.50	8.18	9.00
7175	Wayne Turkey Growing Mash	Plainville: Sunshine Feed Store	8.84	20.56	20.00	4.33	2.50	5.19	6.00
4885	Wayne Universal Breeder "E"	Plainville: Sunshine Feed Store	12.88	17.63	15.50	3.53	2.50	4.47	6.00
7184	Wayne Universal Egg	Plainville: Sunshine Feed Store	8.79	18.75	16.00	5.31	2.50	5.40	4.50
4888	Wayne Universal Grower "E"	Plainville: Sunshine Feed Store	13.24	15.75	15.00	4.89	2.50	4.22	6.00

**American Crystal Sugar Co.,
Denver, Colo.**

5097	Dried Beet Pulp	11.62	8.69	7.50	0.67	0.30	19.94	22.50
7891	Molasses Dried Beet Pulp	7.76	10.38	8.00	1.30	0.30	15.87	20.00

**American Maize-Products Co.,
New York, N. Y.**

7590	Amaizo Corn Oil Meal	8.06	21.00	18.00	9.57	4.00	8.52	13.00
7079	Amaizo Gluten Meal	8.36	47.88	36.00	2.04	1.00	2.23	8.00
6798	Cream of Corn Gluten Feed	9.62	23.19	23.00	2.49	2.00	6.32	9.50

**Archer-Daniels-Midland Co.,
Minneapolis, Minn.**

7642	Archer Quality 32% Protein Solvent Extracted Linseed Oil Meal	9.21	34.69	32.00	1.06	3.50	8.78	10.00
4631	Archer Quality 44% Protein Solvent Extracted Soybean Pellets	12.25	45.44	44.00	1.26	0.50	5.81	7.00

**Ashcraft-Wilkinson Co.,
Atlanta, Ga.**

7063	Sweet Suni-Citrus Pulp	7.98	7.63	6.00	4.19	5.00	12.05	15.00
------	------------------------------	------	------	------	-------------	-------------	-------	-------

**Edward R. Bacon Grain Co.,
Boston, Mass.**

5088	Bacon's Corn Gluten Feed	12.36	23.81	23.00	3.06	2.00	7.64	10.00
------	--------------------------------	-------	-------	-------	------	------	------	-------

**E. W. Bailey & Co.,
Montpelier, Vt.**

7961	Bailey's Pennant Brand Ace-Hi Layer	8.94	17.00	16.00	4.48	3.50	4.31	4.50
7958	Bailey's Pennant Brand Calf Starter ..	8.08	27.00	24.00	3.41	3.75	6.47	7.50
7717	Bailey's Pennant Brand Laying Mash	6.97	21.25	20.00	4.89	3.50	7.11	7.00
7715	Bailey's Pennant Brand Turkey Grower	7.59	21.63	20.00	4.61	3.50	6.45	7.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	
The Beacon Milling Co., Inc., Cayuga, N. Y.									
7323	Auburn "16"	Bloomfield: E. E. Allyn	6.79	18.06	16.00	4.29	3.00	7.40	10.00
6995	Auburn "20"	Bantam: Washington Supply Co., Inc.	10.82	21.19	20.00	3.28	3.00	5.90	10.00
5175	Beacon "16"	Jewett City: Machnicki's Grain Store	12.34	18.19	16.00	4.17	3.50	6.58	9.00
7732	Beacon "20"	Danbury: Barnum Feed Store ..	8.23	23.25	20.00	4.07	3.25	6.70	9.00
7594	Beacon Broiler Feed	Glenbrook: Frank Policastro & Sons	8.65	23.75	23.00	4.16	3.50	4.57	4.75
5176	Beacon Broiler Finisher Pellets	Jewett City: Machnicki's Grain Store	12.58	17.63	16.00	4.06	3.50	3.53	5.75
5177	Beacon Calf Grains	Jewett City: Machnicki's Grain Store	12.40	16.38	14.00	4.29	3.25	7.25	9.00
7671	Beacon Calf Starter	Hampton: Beacon Grain Store ..	7.16	21.88	19.00	4.12	3.50	5.45	7.00
7661	Beacon Chick Grains	Hampton: Beacon Grain Store ..	10.07	10.88	10.00	4.06	3.00	1.49	2.50
7672	Beacon Complete Starter	Hampton: Beacon Grain Store ..	7.33	25.25	23.00	4.21	3.50	3.70	4.75
5173	Beacon Dairy Fitting	Jewett City: Machnicki's Grain Store	13.24	15.81	14.00	3.81	3.25	6.71	9.00
7542	Beacon Duck Grower	Southbury: H. H. Stone & Sons	8.29	20.63	17.50	3.86	3.00	3.76	7.00
7595	Beacon "22" Egg Mash	Glenbrook: Frank Policastro & Sons	8.04	24.13	22.00	4.91	3.50	4.92	6.50
7540	Beacon Fleshing (Balancer) Pellets	Southbury: H. H. Stone & Sons	8.16	23.31	20.00	4.52	3.00	4.39	6.00
7596	Beacon Goat Ration	Glenbrook: Frank Policastro & Sons	8.96	19.13	16.00	3.76	3.00	7.07	10.00
7539	Beacon Grower All-Mash	Southbury: H. H. Stone & Sons	7.96	16.94	16.00	3.73	3.50	4.69	6.00
6993	Beacon "18" Growing Mash	Bantam: Washington Supply Co., Inc.	10.76	18.38	18.00	3.64	3.50	5.04	6.25

6996	Beacon Horse Feed	Bantam: Washington Supply Co., Inc.	11.09	11.88	10.00	3.62	2.50	6.84	9.00
7534	Beacon Market Egg All-Mash	Southbury: H. H. Stone & Sons	9.54	18.13	17.00	4.69	3.50	4.66	6.50
7660	Beacon Poultry Fitting	Portland: Anderson Farm Supply, Inc.	10.70	12.00	11.00	3.53	3.00	4.34	7.50
7659	Beacon Rabbit Pellets	Portland: Anderson Farm Supply, Inc.	9.52	19.25	18.00	2.16	3.00	6.17	7.50
5174	Beacon "18" Test Cow Ration	Jewett City: Machnicki's Grain Store	11.67	20.00	18.00	4.14	3.75	6.46	9.00
7324	Beacon Turkey and Game Bird Fitting	Bloomfield: E. E. Allyn	7.97	12.13	10.00	3.46	3.00	6.32	9.00
7541	Beacon Turkey and Game Bird Grower	Southbury: H. H. Stone & Sons	7.76	26.50	24.00	5.19	3.50	4.24	6.00
7662	Be-Co-Lass	Hampton: Beacon Grain Store ..	7.67	12.50	11.00	3.47	2.00	8.69	13.00
The Berkman Grain & Coal Co., No. Franklin, Conn.									
6791	Nibco Crate Fattener	No. Franklin: The Berkman Grain & Coal Co.	11.41	15.81	14.00	3.81	3.50	3.21	4.00
4782	Nibco 18% Dairy Ration	No. Franklin: The Berkman Grain & Coal Co.	12.49	18.19	18.00	3.59	4.00	6.04	8.00
4783	Nibco Fitting Ration	No. Franklin: The Berkman Grain & Coal Co.	8.09	14.31	14.00	4.34	4.00	5.18	8.00
6793	Nibco Five Star Broiler Mash	No. Franklin: The Berkman Grain & Coal Co.	10.94	20.81	22.00	3.90	5.00	2.89	2.50
6789	Nibco High Energy Breeder Mash ...	No. Franklin: The Berkman Grain & Coal Co.	10.66	16.38	16.00	4.77	3.50	3.53	4.00
6788	Nibco High Energy Growing Mash ..	No. Franklin: The Berkman Grain & Coal Co.	11.46	16.31	16.00	4.12	3.00	3.69	4.00
4780	Nibco High Energy Laying Mash ...	No. Franklin: The Berkman Grain & Coal Co.	13.32	16.50	16.00	3.92	3.00	3.59	4.00
4781	Nibco Laying Mash with Fortified Cod Liver Oil	No. Franklin: The Berkman Grain & Coal Co.	12.79	20.06	20.00	3.81	4.00	4.24	7.00
6792	Nibco Nine Week Broiler Mash	No. Franklin: The Berkman Grain & Coal Co.	11.10	18.13	18.00	4.00	4.00	2.74	3.50
6790	Nibco Scratch Feed	No. Franklin: The Berkman Grain & Coal Co.	12.16	10.00	10.00	2.69	3.00	2.49	6.50
Blatchford Calf Meal Co., Waukegan, Ill.									
4908	Blatchford's Calf Meal and Calf Pellets	Pawcatuck: The C. W. Campbell Co.	12.38	27.56	25.00	2.79	3.00	4.92	6.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than
Blatchford Calf Meal Co.,—Cont. Waukegan, Ill.									
7525	Blatchford's Complete Calf Ration ..	Pawcatuck: The C. W. Campbell Co.	9.35	21.88	19.50	3.59	3.00	7.64	9.50
7529	Blatchford's Rabbit Pellets	Pawcatuck: The C. W. Campbell Co.	7.97	18.06	16.00	2.98	2.00	14.19	16.50
Bremco Alfalfa Mills, Inc., New Bremen, Ohio									
7032	Medogreen Alfalfa Meal	Norwich: The Yantic Grain & Products Co.	6.50	17.38	17.00	1.91	1.50	23.95	27.00
C. W. Brister & Son, Auburn, N. Y.									
4844	Prize Mixed Feed	Guilford: Fred C. Morse & Son	12.92	15.63	13.00	4.54	3.50	5.96	9.00
L. Broder & Co., Inc., Colchester, Conn.									
6803	L. B. 16% Dairy Ration	Colchester: L. Broder & Co., Inc.	11.50	15.81	16.00	3.84	3.50	6.19	8.00
Brooklawn Grain & Feed Co., Bridgeport, Conn.									
4625	Brooklawn 16% Dairy Ration	Bridgeport: Brooklawn Grain & Feed Co.	11.87	14.25	16.00	3.68	4.00	5.03	9.00
4626	Brooklawn 18% Egg Mash	Bridgeport: Brooklawn Grain & Feed Co.	11.00	18.94	18.00	4.09	4.00	4.31	6.00
7908	Brooklawn Starter Broiler	Bridgeport: Brooklawn Grain & Feed Co.	8.07	18.25	18.00	4.16	4.00	5.70	5.00

**The Buckeye Cotton Oil Co.,
Cincinnati, Ohio**

5101	Buckeye 36% Protein Cottonseed Meal	Shelton: Wolf Savitsky & Sons ..	7.50	34.75	36.00	4.59	4.00	14.49	16.00
4826	Buckeye 44% Protein Solvent Ex- tracted Soybean Oil Meal	Manchester: Central Conn. Co-op Farmers Assoc., Inc.	10.84	46.88	44.00	0.56	0.50	5.34	7.00

**Camp Milling Co., Inc.,
Walton, N. Y.**

6808	Hurlburt's Empire Complete Rabbit Pellets	Fairfield: Fairfield Grain & Seed Co.	9.81	17.31	16.00	3.31	3.00	13.38	20.00
------	--	---	------	-------	-------	------	------	-------	-------

**The C. W. Campbell Co.,
Westerly, R. I.**

4913	Best Pig and Hog Ration	Pawcatuck: The C. W. Campbell Co.	11.41	21.06	15.00	3.92	4.00	6.46	8.00
4917	Camco Horse Feed	Groton: The C. W. Campbell Co.	14.32	12.13	10.00	3.76	3.00	4.82	10.00
4915	16% Dairy Ration	Groton: The C. W. Campbell Co.	12.92	17.38	16.00	4.04	3.00	5.67	8.00
4911	Economical Stock Feed	Pawcatuck: The C. W. Campbell Co.	11.00	9.00	7.00	1.82	1.00	15.28	19.00
7523	Egg-O Chick Starter and Broiler Ration	Pawcatuck: The C. W. Campbell Co.	7.15	21.88	20.00	4.13	4.00	5.86	7.50
7522	Egg-O Complete Layer	Pawcatuck: The C. W. Campbell Co.	7.28	18.00	16.00	4.39	3.50	4.42	4.50
7517	Egg-O Grower	Mystic: The C. W. Campbell Co.	8.09	21.25	20.00	4.54	3.50	4.90	8.00
4916	Egg-O Laying Mash	Groton: The C. W. Campbell Co.	12.32	21.13	20.00	3.63	3.50	4.98	8.00
7524	Egg-O Special Broiler	Pawcatuck: The C. W. Campbell Co.	9.52	21.38	20.00	4.94	3.50	4.20	5.00
4914	Egg-O 22% Turkey Finisher	Pawcatuck: The C. W. Campbell Co.	11.77	22.81	22.00	3.87	3.50	6.31	8.00
4910	12% Fitting Ration	Pawcatuck: The C. W. Campbell Co.	13.64	14.00	12.00	3.18	3.00	6.91	9.00
7526	Lassagras	Pawcatuck: The C. W. Campbell Co.	9.29	11.31	10.00	2.79	2.00	12.69	16.00
7527	Sheep and Goat Feed	Pawcatuck: The C. W. Campbell Co.	8.85	20.13	15.00	3.09	3.00	6.46	9.00

Analyses

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)									
			Protein (N x 6.25)		Fat		Fiber					
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found					
Canada Linseed Oil Mills, Ltd., Montreal, Canada												
4632	Maple Leaf 36% Protein Pure Linseed Oil Cake Meal	Norwalk: Libner Grain Co., Inc.	10.55	33.13	36.00	4.34	3.50	7.89	9.00			
The Canada Starch Co., Ltd., Montreal, Que., Canada												
5013	Edwardsburg Corn Gluten Feed	Torrington: Torrington Big Y Feed Co.	10.86	24.31	23.00	3.09	2.50	7.00	10.00			
The A. B. Caple Co., Toledo, Ohio												
5166	Alfalfa Stem Meal	Norwich: The Yantic Grain & Products Co.	10.06	13.50	9.00	2.44	0.80	30.10	40.00			
Cargill, Inc., Minneapolis, Minn.												
7137	Cargill Northwest 32% Protein Expel- ler Linseed Oil Meal	Shelton: Wolf Savitsky & Sons, Inc.	7.87	33.13	32.00	5.43	3.50	8.95	9.50			
7062	44% Protein Solvent Extracted Soy- bean Oil Meal	Thomaston: Thomaston Supply Co., Inc.	9.61	46.31	44.00	0.79	0.50	4.82	7.00			
CarO-Green, Inc., Kansas City, Mo.												
7028	CarO-Green Dehydrated Alfalfa Meal	Norwich: The Yantic Grain & Products Co.	7.42	18.13	17.00	3.94	1.50	21.91	27.00			

Central Conn. Co-op Farmers'
Assoc., Inc.,
Manchester, Conn.

7936	Honest Brand Breeder Mash	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	9.04	21.63	20.00	5.19	4.00	4.91	7.50
5112	Honest Brand Complete Ration High Energy Growing Mash	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	11.72	17.25	15.00	3.96	3.00	2.76	4.00
4833	Honest Brand Complete Ration High Energy Laying Mash	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	13.01	16.19	15.00	3.67	3.00	2.77	4.00
7080	Honest Brand 16% Dairy Feed	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	9.75	17.00	16.00	3.08	3.50	5.48	9.00
7081	Honest Brand Growing Pellets	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	9.24	20.63	20.00	3.54	3.50	4.02	8.50
5113	Honest Brand Laying Mash	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	11.84	20.00	20.00	4.22	3.00	3.37	8.00
4828	Honest Brand Nu-Weigh-Hi Broiler Finisher Mash	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	12.31	20.06	18.00	4.44	2.00	3.63	6.50
4827	Honest Brand Nu-Weigh-Hi Broiler Starter Mash	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	12.00	21.69	20.00	4.09	3.00	3.41	4.00

Central Soya Co., Inc.,
Fort Wayne, Ind.

7873	Central 4-44	Colchester: L. Broder & Co. . .	8.40	46.19	44.00	4.04	4.00	6.45	6.50
4835	Central Star Brand 44% Protein Solvent Extracted Soybean Oil Meal	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	10.99	45.25	44.00	0.89	0.50	4.92	7.00
6797	Central Sweet Soy	Colchester: P. Cutler, Inc.	9.49	44.63	44.00	1.99	0.45	4.98	7.00

Clinton Foods, Inc.,
Florida Div.,
Auburndale, Fla.

4818	McDonald Dried Citrus Pulp	Norwich: The Vantic Grain & Products Co.	10.81	6.25	6.00	3.69	2.50	9.96	20.00
------	----------------------------------	--	-------	------	------	------	------	------	-------

Clinton Foods, Inc.,
Clinton, Iowa

7132	Clinton Corn Gluten Feed	Derby: Derby Feed Store	9.51	28.13	23.00	1.89	2.00	6.81	8.50
7134	Clinton Corn Gluten Meal	Derby: Derby Feed Store	7.94	43.13	41.00	2.24	1.00	4.12	6.00

7815	C.S. 18% Dairy Ration	Lakeville: Community Service, Inc.	8.78	19.31	18.00	4.97	4.00	7.28	10.00
7821	C.S. 20% Dairy Ration	Canaan: Community Service, Inc.	8.17	19.13	20.00	5.36	4.00	6.55	10.00
4998	C.S. Fitting Ration	Canaan: Community Service, Inc.	11.82	15.25	14.00	3.88	3.50	7.61	9.00
7819	C.S. Growing Mash	Canaan: Community Service, Inc.	9.25	19.38	18.00	3.46	4.00	4.39	6.50
7816	C.S. Laying Mash	Lakeville: Community Service, Inc.	8.63	20.75	18.00	3.95	4.00	5.96	6.50
5000	C.S. Starter & Grower Mash	Canaan: Community Service, Inc.	13.44	18.50	17.00	3.82	4.00	6.39	6.50
Connecticut Grains, Colchester, Conn.									
7326	Dried Brewers Grains	Bloomfield: Bloomfield Farmers' Exchange, Inc.	6.09	26.56	24.00	6.34	6.00	13.29	17.00
Consolidated Products Co., Danville, Ill.									
7182	Semi-Solid "E" Emulsion	Willimantic: Checkerboard Feed Store	56.39	8.88	9.00	2.28	2.00	.....	.....
Consolidated Rendering Co., Boston, Mass.									
7025	Corenco Feed Bone Meal	Norwich: The Yantic Grain & Products Co.	4.06	12.69	10.00	.....	.....	.....	.....
4635	Corenco 47% Meat and Bone Scrap ..	Thomaston: Thomaston Supply Co., Inc.	8.69	45.44	47.00	7.13	6.00	.....	.....
7026	Corenco 50% Meat and Bone Scrap ..	Norwich: The Yantic Grain & Products Co.	7.15	47.81	50.00	7.41	6.00	.....	.....
Copeland Flour Mills, Ltd., Midland, Ont., Canada									
4822	Dandy Wheat Bran	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	11.74	15.69	15.00	4.76	3.50	11.20	11.50
4906	Dandy Wheat Shorts	Pawcatuck: The C. W. Campbell Co.	13.44	16.81	16.00	4.69	4.50	7.04	8.00
Corn Products Refining Co., New York, N. Y.									
6802	Buffalo Brand Corn Gluten Feed	Colchester: L. Broder & Co., Inc.	10.38	23.50	23.00	1.81	1.00	7.77	10.00

7937	Cowles' Red C 16% Dairy Ration	...	Glastonbury: Melzen Grain Co.	9.19	20.50	16.00	5.09	3.00	8.25	11.00
4981	Cowles' Red C Laying Mash	.....	Plantsville: C. A. Cowles, Inc.	13.32	19.56	16.00	3.52	3.00	5.41	8.50
7943	Elco Complete Lay	.....	Plantsville: C. A. Cowles, Inc.	9.46	18.75	16.00	4.89	3.50	4.45	5.20
7940	Elco Laying Mash	.....	Plantsville: C. A. Cowles, Inc.	9.11	21.88	20.00	4.19	3.00	5.52	7.20
Chas. M. Cox Co., Boston, Mass.										
6998	Rex Wheat Bran—Scr.	.....	Bantam: Washington Supply Co., Inc.	10.38	14.13	14.00	4.16	3.50	9.66	12.00
7874	Rex Wheat Middlings	.....	Colchester: L. Broder & Sons, Inc.	10.03	16.81	15.00	5.69	4.00	8.24	9.50
7871	Wirthmore Baby Chick Scratch	.....	Fitchville: Norwich Grain Co.	10.82	9.88	10.00	2.69	2.50	1.42	3.50
5154	Wirthmore Breeder Mash	.....	Willimantic: Willimantic Grain Co.	11.78	21.25	20.00	3.53	3.00	5.23	7.00
7872	Wirthmore Calf Starter Meal	.....	Fitchville: Norwich Grain Co.	8.22	22.19	22.00	2.79	3.50	4.93	7.00
7857	Wirthmore Calf Starter Meal	.....	Winsted: E. Manchester & Sons	7.91	23.88	22.00	3.82	3.50	5.44	7.00
7566	Wirthmore Calving Ration	.....	Stepney: Wirthmore Grain & Coal Co.	9.40	15.63	14.00	4.79	3.50	7.24	10.00
6999	Wirthmore Challenger Coarse 14 Dairy Ration	.....	New Milford: Soule Grain Co.	9.78	15.50	14.00	3.59	3.00	8.50	12.00
7317	Wirthmore Challenger Coarse 16 Dairy Ration	.....	Suffield: The Spencer Co.	7.96	17.69	16.00	4.08	3.00	8.50	12.00
7129	Wirthmore Challenger 16 Dairy Ration	.....	Stafford Springs: Valley Grain Co.	8.11	17.88	16.00	4.34	3.00	6.37	10.00
7856	Wirthmore Challenger 20 Dairy Ration	.....	Winsted: E. Manchester & Sons, Inc.	8.04	20.63	20.00	3.69	3.00	6.83	9.00
4838	Wirthmore Complete Breeder Ration	.....	Branford: S. V. Osborn, Est.	13.97	17.31	15.00	3.23	3.00	4.20	6.00
4767	Wirthmore Complete Chick Starter	..	Dayville: Dayville Grain Co.	13.16	20.63	20.00	2.74	2.50	4.39	6.00
4813	Wirthmore Complete Egg Ration	....	Norwich: Norwich Grain Co.	11.49	17.56	15.00	3.67	3.00	5.30	6.00
4836	Wirthmore Complete Growing Ration	.....	Branford: S. V. Osborn, Est.	13.23	19.38	15.00	3.04	3.00	4.00	6.00
7695	Wirthmore 16 Dairy Ration	.....	Putnam: Dayville Grain & Feed Co.	8.18	18.75	16.00	4.42	3.50	6.75	9.00
5014	Wirthmore 20 Dairy Ration	.....	Torrington: F. L. Wadhams & Sons, Inc.	12.56	20.25	20.00	3.68	3.50	5.65	8.00
7858	Wirthmore 32% Dairy Supplement	..	Torrington: Litchfield County Co-op. Assn.	6.76	35.63	32.00	4.97	3.00	6.47	8.00
7736	Wirthmore Fattening Pellets	.....	Danbury: Benjamin Grain Co.	8.49	19.25	17.50	4.03	3.00	3.40	4.50
4784	Wirthmore 14 Fitting Ration	.....	Baltic: Western Grain Co.	12.94	15.00	14.00	3.94	3.50	5.50	9.00
7555	Wirthmore 14 Fitting Ration (Pelleted)	.....	Newtown: Fairfield State Hospital	8.89	16.38	14.00	4.62	3.50	6.71	9.00

4877	Wirthmore Scratch Feed	Unionville: Farmington Grain & Lumber Co.	13.71	14.00	9.50	2.62	2.50	3.31	4.00
7916	Wirthmore Sheep and Goat Ration ..	Willimantic: Willimantic Grain Co.	7.81	20.00	16.00	4.59	3.50	6.77	9.00
5099	Wirthmore Stock Feed	Ansonia: Ansonia Feed Co.	11.29	12.50	10.00	3.73	3.00	7.02	11.00
7055	Wirthmore Super Pellets	Watertown: Watertown Co-op. Assoc., Inc.	9.79	20.56	20.00	3.23	3.00	5.20	8.00
7564	Wirthmore Turkey Fattening Ration	Stepney: Wirthmore Grain & Coal Co.	10.12	18.75	16.00	4.79	3.00	5.09	7.00
6805	Wirthmore Turkey Growing Ration ..	Milford: Milford Grain Co.	10.57	22.75	20.00	3.62	3.00	5.09	7.50
7127	Wirthmore Turkey Starter Ration ...	Stafford Springs: Valley Grain Co.	8.57	29.88	26.00	3.79	3.00	4.00	6.00
4873	Wirthmore Twin-Mix Calf Ration ...	Canton: Canton Creamery Assoc.	13.81	18.94	17.00	3.56	3.00	5.45	8.00

**Crawford Bros., Inc.,
Walton, N. Y.**

7680	Complete Egg Mash	Eastford: Wm. S. Warren & Son	6.73	17.13	15.00	3.61	3.50	8.20	8.50
6921	Complete Growing Mash	Eastford: Wm. S. Warren & Son	8.51	17.19	15.00	3.74	3.50	7.72	8.50
6924	Fitting Ration 14%	Eastford: Wm. S. Warren & Son	8.71	16.00	14.00	3.71	3.50	11.08	11.00
6912	Hi-Energy Starter and Broiler Mash ..	Eastford: Wm. S. Warren & Son	9.12	23.69	21.00	4.78	4.00	3.98	5.00
6923	Laying Mash	Eastford: Wm. S. Warren & Son	8.14	20.69	20.00	3.59	3.50	7.60	8.00
6913	16% Milk Flow with Crushed Oats ..	Eastford: Wm. S. Warren & Son	8.86	18.75	16.00	4.31	3.50	8.61	10.00
6914	Molasses Horse Feed	Eastford: Wm. S. Warren & Son	10.39	9.88	9.00	3.45	3.50	6.33	9.00
7679	Molasses Horse Feed	Eastford: Wm. S. Warren & Son	7.48	10.50	9.00	3.66	3.50	7.15	9.00
6919	Pig Grower-Fattener	Eastford: Wm. S. Warren & Son	9.19	18.44	18.00	3.61	3.00	5.73	8.50
7678	Scratch Grains	Eastford: Wm. S. Warren & Son	8.41	10.94	9.00	3.41	2.50	3.64	5.00
6925	Turkey Marketing Feed	Eastford: Wm. S. Warren & Son	9.59	11.69	12.00	3.61	3.50	4.82	7.00
6922	Warren's Milkproducer 16% Dairy Feed	Eastford: Wm. S. Warren & Son	8.77	16.13	16.00	3.47	3.00	9.04	12.00

**Crompton Grain Co., Inc.,
West Warwick, R. I.**

6856	Our Best Laying Mash	Brooklyn: Alti Oja	8.50	21.44	20.00	3.97	3.00	3.37	6.00
6857	Our Best Starter and Broiler Feed ...	Brooklyn: Alti Oja	8.51	22.06	20.00	4.27	3.00	3.79	4.00

**P. Cutler, Inc.,
Colchester, Conn.**

7875	Prosperity Laying Mash	Colchester: P. Cutler, Inc.	8.75	20.31	17.00	5.04	3.50	7.29	10.00
------	------------------------------	----------------------------------	------	-------	-------	------	------	------	-------

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Moisture	Protein (N x 6.25)		Fat		Fiber
				Found	Guaranteed not less than	Found	Guaranteed not less than	
7726	Candy Horse Feed	New Britain: The Hugh Reynolds Grain & Feed Co.	10.41	10.50	11.00	3.37	3.00	8.01 10.50
4976	Double Diamond Baby Chick Grains	New Britain: The Hugh Reynolds Grain & Feed Co.	13.93	10.81	9.00	3.53	3.00	1.25 4.00
7343	Double Diamond Complete Egg Producer	New Britain: The Hugh Reynolds Grain & Feed Co.	7.37	16.44	15.00	4.14	3.25	7.27 8.00
7727	Double Diamond Complete Grower ..	New Britain: The Hugh Reynolds Grain & Feed Co.	9.25	16.50	15.00	4.08	4.50	6.96 7.00
4975	Double Diamond Hical Rabbit Pellets	New Britain: The Hugh Reynolds Grain & Feed Co.	11.59	16.06	12.00	3.74	3.00	6.94 12.00
7341	Double Diamond Hical Starter	New Britain: The Hugh Reynolds Grain & Feed Co.	7.54	25.19	23.00	4.16	3.25	4.95 6.50
4942	Double Diamond Hical 16% Test Ration	Wallingford: D. W. Ives	12.15	16.88	16.00	3.07	3.50	7.17 8.00
7728	Double Diamond 14% Pelleted Fitting Ration	New Britain: The Hugh Reynolds Grain & Feed Co.	9.47	15.63	14.00	3.58	3.50	8.55 10.00
4973	Egg Producer	New Britain: The Hugh Reynolds Grain & Feed Co.	10.41	22.50	20.00	3.39	3.00	6.89 7.50
4972	Fitting Ration 14% with Pellets ...	New Britain: The Hugh Reynolds Grain & Feed Co.	11.66	16.25	14.00	3.01	2.75	6.87 12.00
4974	16% Milk Producer	New Britain: The Hugh Reynolds Grain & Feed Co.	10.84	15.88	16.00	3.54	2.50	9.68 10.00
7340	20% Milk Producer	New Britain: The Hugh Reynolds Grain & Feed Co.	7.04	20.13	20.00	4.03	3.00	8.43 10.00
7342	Pig and Hog Ration	New Britain: The Hugh Reynolds Grain & Feed Co.	7.12	15.81	13.00	6.19	4.00	8.09 8.00

Dairymen's League Co-opAssoc., Inc.,
Utica, N. Y.7621 Dairylea Choice Feed Grade Dried Skim
Milk 6.07 33.38 33.00 0.91 0.50

Norwalk: Libner Grain Co., Inc.

**R. G. Davis & Sons, Inc.,
New Haven, Conn.**4612 Davis Egg Mash 10.86 21.00 18.50 3.67 2.50 7.03 7.50
5096 Davis Horse Feed 13.25 9.44 9.00 3.01 2.00 6.57 10.00
4613 New England College Conference Grow-
ing 12.25 19.75 17.90 **3.61** 5.74 5.90
4614 New England College Conference Lay
Inc. 12.50 17.94 17.00 2.86 3.00 4.37 6.00New Haven: R. G. Davis & Sons,
Inc.
Ansonia: Ansonia Feed Co.
New Haven: R. G. Davis & Sons,
Inc.
New Haven: R. G. Davis & Sons,
Inc.**Dawe's Manufacturing Co.,
Chicago, Ill.**7156 Flavonne Broiler Base 9.11 42.25 34.00 1.59 1.00 4.48 5.00
4724 Flavonne Ribo-D 11.40 32.25 31.00 1.53 1.00 4.53 7.00Guilford: Fred C. Morse & Son
Middletown: Meech & Stoddard,
Inc.**Dawnwood Farms,
Amenia, N. Y.**7820 Dawnwood Farms Caf-Star-A Formula
Feed for Calves 7.10 28.31 26.00 3.69 3.00 2.02 3.00

Canaan: Community Service, Inc.

**Deep Sea Products, Inc.,
So. Portland, Maine**

4823 Fish Meal 8.24 61.56 60.00 10.32 5.00 0.40 1.50

Manchester: Central Conn. Co-
op. Farmers' Assoc., Inc.**Delaware Mills, Inc.,
Deposit, N. Y.**

7532 Delaware Fattening Mash 8.19 16.44 14.00 3.89 3.00 5.80 5.50

No. Stonington: Stewart & Proc-
tor Farmers Supply Co.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	more than	
Delaware Mills, Inc.,—Cont. Deposit, N. Y.									
7533	Delaware Fitting Ration	No. Stonington: Stewart & Pro- tor Farmers Supply Co.	7.21	16.19	14.00	3.60	3.00	7.28	11.00
7531	Delaware Laying Mash	No. Stonington: Stewart & Pro- tor Farmers Supply Co.	8.29	21.38	21.00	4.59	2.50	6.48	7.00
7535	Delaware Scratch Grains	No. Stonington: Stewart & Pro- tor Farmers Supply Co.	10.50	10.25	9.00	3.04	2.00	3.47	5.00
7534	Delaware Sweet 16% Dairy Ration ...	No. Stonington: Stewart & Pro- tor Farmers Supply Co.	8.30	17.13	16.00	4.57	3.50	7.93	10.00
7530	Delaware Turkey Fitting Ration	No. Stonington: Stewart & Pro- tor Farmers Supply Co.	9.12	14.69	11.00	2.89	2.00	5.93	8.00
Derby Feed Store, Derby, Conn.									
7130	Litsky's Hi-Energy All-Mash Grower ..	Derby: Derby Feed Store	8.76	17.75	16.00	3.81	3.50	3.35	4.00
4619	Litsky's Laying Mash	Derby: Derby Feed Store	10.09	20.50	19.00	4.47	3.50	6.68	7.00
4620	Litsky's Sweet 16% Dairy Ration	Derby: Derby Feed Store	11.92	14.38	16.00	3.03	3.50	7.49	12.00
The Derwood Mills, Inc., Derwood, Md.									
7598	Derwood Horse Crunch	Cos Cob: Belmont Feed Co. ..	7.56	16.25	15.00	4.61	4.00	7.27	10.00
Dewart Milling Co., Ltd., Peterborough, Ont., Canada									
7519	Wheat Shorts	Pawcatuck: The C. W. Campbell Co.	8.16	12.94	15.00	4.16	5.00	3.95	8.00

6911	Dietrich & Gambrill, Inc., Frederick, Md.	Eastford: Wm. S. Warren & Son	10.35	13.38	13.00	3.89	2.00	4.89	9.00
	D & G Calf Grower								
	Doughnut Corp. of America, Ellicott City, Md.								
7604	Domaco Pure Winter Wheat Bran	Norwalk: Libner Grain Co., Inc.	9.44	15.13	13.50	4.54	3.25	8.59	9.50
7618	Domaco Winter Wheat Standard Middlings	Norwalk: Libner Grain Co., Inc.	8.93	18.25	14.50	5.63	4.25	7.08	7.50
	Eastern States Farmers' Exchange, Inc., West Springfield, Mass.								
7713	All-Mash Breeder	No. Haven: Eastern States Farmers' Exchange, Inc.	7.47	18.56	15.50	2.94	2.50	2.98	4.50
7024	All-Mash Developer	Norwich: Eastern States Farmers' Exchange, Inc.	9.99	18.19	16.00	3.33	2.50	3.59	4.50
7125	All-Mash Producer	Rockville: Ellington-Vernon Farmers' Exchange, Inc.	9.08	18.38	15.50	4.89	2.50	4.11	4.50
4669	Breeder Mash	No. Haven: Eastern States Farmers' Exchange, Inc.	11.34	24.13	22.00	2.61	2.50	3.48	4.50
7001	Calf Starter	New Milford: Paul W. Caldwell	9.97	22.88	20.00	3.07	3.00	4.36	6.00
7185	Calving Ration	Willimantic: Eastern States Farmers' Exchange, Inc.	9.34	14.75	9.50	2.85	1.50	12.12	15.00
5009	Champion	Torrington: Eastern States Farmers' Exchange, Inc.	13.27	17.25	16.00	3.72	2.50	5.25	7.50
5005	Developer	Torrington: Eastern States Farmers' Exchange, Inc.	11.69	22.06	22.00	2.64	2.00	3.49	4.50
7022	Finisher	Norwich: Eastern States Farmers' Exchange, Inc.	9.85	18.25	16.50	3.06	2.50	2.90	4.50
7002	Fitting Ration	New Milford: Paul W. Caldwell	10.24	15.63	14.00	4.29	3.00	6.89	8.50
6901	Fulpaill	East Hartford: Eastern States Farmers' Exchange, Inc.	9.97	22.75	20.00	4.19	3.50	6.63	8.50
5003	Hen Supplement	Torrington: Eastern States Farmers' Exchange, Inc.	9.67	30.06	30.00	3.41	3.00	4.68	6.50
7712	Hog Supplement	No. Haven: Eastern States Farmers' Exchange, Inc.	6.44	39.44	36.00	3.78	3.00	5.92	8.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Moisture		Protein (N x 6.25)		Fat	
			Found	Guaranteed less than	Found	Guaranteed less than	Found	Fiber
								Guaranteed not more than
Eastern States Farmers' Exchange, Inc.,—Cont.								
West Springfield, Mass.								
6899	Milkmore	East Hartford: Eastern States Farmers' Exchange, Inc.	10.16	20.06	16.00	4.06	3.50	6.26 8.50
7126	Milksaver	Rockville: Ellington-Vernon Farmers' Exchange, Inc.	7.18	25.75	24.00	1.88	1.00	0.35 1.00
4667	Pig Primer	No. Haven: Eastern States Farmers' Exchange, Inc.	12.31	18.94	16.00	3.32	3.00	6.11 7.50
6992	Pork Builder	Bethel: Eastern States Farmers' Exchange, Inc.	10.46	17.00	14.00	3.41	3.00	2.83 4.00
4668	Producer	No. Haven: Eastern States Farmers' Exchange, Inc.	11.64	23.69	22.00	2.78	2.50	3.79 5.00
6873	36% Supplement	East Hartford: Eastern States Farmers' Exchange, Inc.	8.74	37.69	36.00	2.14	1.50	6.35 8.00
6991	Turkey-Grower	Bethel: Eastern States Farmers' Exchange, Inc.	9.96	21.50	20.00	3.83	2.50	3.54 4.50
B. A. Eckhart Milling Co., Chicago, Ill.								
7838	Ecko Pure Wheat Bran	Plainville: Sunshine Feed Store ..	9.36	15.38	14.00	5.18	3.50	8.55 12.00
Elmore Milling Co., Inc., Oneonta, N. Y.								
7084	Elmore Breeder Mash	Rockville: Farmers Milling Co.	9.24	19.94	20.00	3.19	3.00	4.16 6.00
7511	Elmore Broiler Finishing Ration	Bristol: Elmore Stores, Inc.	10.00	20.56	18.00	4.36	4.00	4.00 5.00
7788	Elmore Bull Feed	Gaylordsville: Elmer E. Carlson	7.77	18.38	13.00	3.59	3.50	12.10 9.00
7351	Elmore Complete Growing Ration (Pelleted)	Bristol: Elmore Stores, Inc.	7.79	20.13	15.00	3.04	3.00	5.05 5.00

6967	Elmore Complete Market Egg Mash ..	Danbury: Frenchies Coal & Grain Co.	9.54	19.44	15.00	3.62	3.00	4.36	6.00
7513	Elmore Complete Rabbit Ration	Bristol: Elmore Stores, Inc.	8.41	21.00	16.00	4.31	3.50	7.23	10.00
7123	Elmore Dry & Freshening Ration ...	Rockville: Farmers Milling Co.	10.10	17.88	12.00	3.61	3.25	6.78	9.00
7245	Elmore Egg Mash	Plainfield: Elmore Stores, Inc.	9.63	20.38	20.00	4.09	2.50	4.34	6.00
6968	Elmore Fitting Ration	Danbury: Frenchies Coal & Grain Co.	9.74	13.44	14.00	3.70	4.00	7.48	8.00
7808	Elmore Flaked Pelleted Calf Starter ..	Gaylordville: Elmer E. Carlson	10.07	17.56	18.00	4.06	2.50	6.46	8.00
7352	Elmore Goat Ration	Bristol: Elmore Stores, Inc.	8.05	17.00	16.00	4.11	4.00	6.48	10.00
7244	Elmore Grand Champion Ration	Plainfield: Elmore Stores, Inc.	9.63	17.50	15.00	3.74	3.50	6.85	9.00
7247	Elmore Growing Mash	Plainfield: Elmore Stores, Inc.	10.22	17.63	18.00	4.19	2.50	4.00	6.00
7711	Elmore Hog Ration	East Haven: East Haven Hay & Grain Supply	7.47	17.50	15.00	5.33	4.00	4.31	8.00
7284	Elmore Horse Feed	Hazardville: E. B. Buck	9.32	12.19	9.00	3.72	2.50	5.66	11.00
7950	Elmore Intermediate Chick Feed	Bristol: Elmore Stores, Inc.	9.19	9.38	9.00	3.92	2.50	1.43	5.00
7246	Elmore M.A.C. Laying Mash	Plainfield: Elmore Stores, Inc.	9.00	22.50	20.00	4.19	2.50	6.50	8.00
6986	Elmore Milk Grains "Sixteen"	Danbury: Frenchies Coal & Grain Co.	10.45	17.19	16.00	3.64	3.50	6.45	9.00
7953	Elmore Pacemaker 16% Dairy Ration	Bristol: Elmore Stores, Inc.	9.21	20.19	16.00	4.81	3.00	6.92	10.00
7809	Elmore Pacemaker 18% Dairy Ration	Gaylordville: Elmer E. Carlson	9.22	19.25	18.00	3.69	3.00	8.84	9.00
7512	Elmore Poultry Fitting Ration	Bristol: Elmore Stores, Inc.	11.20	12.06	12.00	4.21	3.00	5.19	10.00
7283	Elmore Stock Feed	Hazardville: E. B. Buck	8.32	12.81	10.00	3.64	3.00	10.54	12.00
7285	Elmore 30% Supplemental Dairy Ration	Hazardville: E. B. Buck	8.49	31.25	30.00	3.20	3.50	6.27	10.00
7240	Elmore Super Broiler Ration	Plainfield: Elmore Stores, Inc.	8.97	22.19	20.00	4.16	3.00	4.66	4.50
4863	Elmore Test Ration	East Haven: East Haven Hay & Grain Supply	9.80	18.75	18.00	3.09	3.50	6.24	9.00
7786	Elmore Test Ration 16%	Gaylordville: Elmer E. Carlson	10.14	14.44	16.00	2.93	3.50	5.93	9.00
7249	Elmore Turkey Breeder Mash	Plainfield: Elmore Stores, Inc.	9.26	21.56	20.00	3.93	3.00	4.09	8.00
7890	Elmore Turkey Finisher (Fattener) ..	Amston: Elmore Stores, Inc. ..	9.56	21.25	16.00	4.41	3.00	4.43	8.00
7083	Elmore Turkey Growing Mash (Pelleted)	Rockville: Farmers Milling Co.	8.86	20.81	20.00	3.17	2.50	4.30	8.00
7248	Elmore Turkey Starting Crumbles ...	Plainfield: Elmore Stores, Inc.	8.85	27.06	27.00	3.22	2.50	4.06	5.00
7077	Leafy Erie Brand Dehydrated Alfalfa Meal	Manchester: Central Conn. Co-op Farmers' Assoc., Inc.	6.86	18.56	17.00	2.23	1.50	25.74	27.00

Erie Alfalfa Mills, Inc.,
Erie, Mich.

4940	Eshelman Red Rose Growing Mash ..	New London: New London Grain Co.	11.67	18.00	18.00	3.63	3.50	6.41	7.50
4638	Eshelman Red Rose Hog Meal	Thomaston: Thomaston Supply Co.	11.08	20.75	18.00	4.13	3.50	6.83	9.00
5151	Eshelman Red Rose Horse Feed	South Coventry: E. W. Latimer Co.	12.92	10.19	9.00	3.21	3.00	5.53	10.00
7719	Eshelman Red Rose Intermediate Chick Grains	Meriden: Meriden Grain & Coal Co.	9.69	11.00	9.00	2.86	2.00	1.53	3.00
5150	Eshelman Red Rose Laying Mash ..	South Coventry: E. W. Latimer Co.	11.36	21.44	20.00	3.63	3.50	4.99	8.00
7017	Eshelman Red Rose Milk Replacer ..	Norwich: The A. E. Shedd Co.	7.50	24.38	22.00	1.62	1.00	0.52	1.00
5172	Eshelman Red Rose 32 Mixing Ration ..	Norwich: The A. E. Shedd Co.	11.01	31.63	32.00	3.55	3.50	6.24	9.00
7865	Eshelman Red Rose Pigeon Feed	Norwich: The A. E. Shedd Co.	10.04	14.31	12.00	3.41	3.00	2.92	4.00
5018	Eshelman Red Rose Rabbit Pellets ..	New Haven: Thomas F. Moran & Son	10.61	18.69	18.00	3.21	3.00	7.98	12.00
7686	Eshelman Red Rose S-O-S	Putnam: Shepard & Whittemore, Inc.	6.27	14.25	11.00	3.27	2.00	14.18	16.00
7349	Eshelman Red Rose Scratch Grains ..	New Britain: Wm. Cohen, Inc.	10.27	9.56	8.00	3.07	2.00	3.41	4.00
6958	Eshelman Red Rose Starter Grower ..	Ridgefield: Young's Feed Store ..	8.88	19.56	18.00	4.46	3.50	6.06	7.00
4918	Eshelman Red Rose T-C Feed	New London: New London Grain Co.	12.38	20.75	18.00	4.64	3.00	4.41	5.00
5170	Eshelman Red Rose 14 Test Cow Ration	Norwich: The A. E. Shedd Co.	11.81	15.19	14.00	4.47	3.50	6.24	8.50
6959	Eshelman Red Rose Turkey Grower ..	Ridgefield: Young's Feed Store ..	8.41	21.56	20.00	4.06	3.50	4.75	8.00
6956	Eshelman Red Rose Turkey Starter ..	Ridgefield: Young's Feed Store ..	9.44	26.50	26.00	4.17	3.50	5.62	6.50
Evans Milling Co., Indianapolis, Ind.									
7867	Emco Hominy Feed	Norwich: The A. E. Shedd Co.	8.83	10.75	10.00	5.76	5.00	3.19	7.00
Excelsior Milling Co., Minneapolis, Minn.									
4645	Camel Hard Wheat Mixed Feed	Watertown: Watertown Co-Op. Assoc., Inc.	12.18	15.81	15.00	4.74	4.00	7.29	9.50
Farm Bureau Assoc., Waltham, Mass.									
7073	Farm Bureau Complete Market Egg Mash	Torrington: Litchfield Co. Co-op Assoc.	9.18	16.75	16.00	3.58	3.00	3.82	5.50

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)				
			Moist-ure	Protein (N x 6.25)		Fat	
				Found	Guaran- teed not less than	Found	Guaran- teed not less than
						Found	Fiber
							Guaran- teed not more than
Farm Bureau Assoc.,—Cont.							
Waltham, Mass.							
7070	Farm Bureau Developer Mash	Torrington: Litchfield Co. Co-op Assoc.	9.66	20.44	19.00	3.66	4.40
7859	Farm Bureau Fitting Ration	Torrington: Litchfield Co. Co-op Assoc.	7.71	14.06	12.00	3.91	5.80
7065	Farm Bureau Market Egg Mash	Torrington: Litchfield Co. Co-op Assoc.	9.27	21.38	20.00	3.24	4.30
7071	Farm Bureau 14% Milking Ration ..	Torrington: Litchfield Co. Co-op Assoc.	9.61	14.63	14.00	4.06	6.43
7075	Hominy	Torrington: Litchfield Co. Co-op Assoc.	9.70	10.44	10.50	6.64	2.82
7074	Soybean Meal	Torrington: Litchfield Co. Co-op Assoc.	8.92	44.25	44.00	1.86	4.86
							6.50
Farmers Feed Co.,							
Brooklyn, N. Y.							
7654	"Bull Brand" Brewers Dried Grains ..	Middletown: Meech & Stoddard, Inc.	6.97	30.38	26.00	6.91	12.30
							17.00
Fish Products Co.,							
Lewes, Del.							
4640	Smith's Lifeline Fish Meal	Thomaston: Thomaston Supply Co., Inc.	8.54	59.56	60.00	7.42	5.00
							0.25
							3.00
Fishel Products Co.,							
Kingsburg, Calif.							
7584	Amburgo Super-Trate	Seymour: Seymour Grain & Coal Co.	7.31	40.44	40.00	7.09	4.00
							4.62
							4.00

Florida Citrus Cannery Co-op.,

Lake Wales, Fla.

5153	Lake Wales Brand Citrus Pulp—Molasses	Willimantic: Co.	Willimantic Grain	5.52	8.00	6.00	6.24	3.00	11.15	16.00
The Fox Co., Newfield, N. J.										
4636	Foxco Flavitein	Thomaston: Co., Inc.	Thomaston Supply	7.05	38.81	35.00	5.28	2.00	0.99	2.50
Geiger Products Co., Inc., 108 South St., New York, N. Y.										
4819	Flag Fish Meal	Norwich: Products Co.	The Yantic Grain &	9.59	60.00	60.00	10.28	3.00	0.74	2.00
General Foods Corp., Corn Mill Div., Kankakee, Ill.										
4943	Burt's Hominy Feed	Wallingford: D. W. Ives		11.47	10.38	9.00	5.46	5.00	4.01	6.00
General Mills, Inc., Minneapolis, Minn.										
7600	Ben Hur Wheat Bran & Ground Wheat Screenings	Cos Cob: Belmont Feed Co.		9.47	14.13	14.00	3.34	3.00	8.82	12.00
5004	Ben Hur Wheat Standard Middlings & Ground Wheat Screenings	Torrington: Eastern States Farmers' Exch.		11.17	15.19	15.00	4.11	4.00	6.39	9.50
7347	Gold Medal Wheat Germ Meal	New Britain: C. W. Lines Co. ..		8.77	29.63	25.00	10.36	9.00	1.98	4.00
5016	Washburn's Gold Medal Hard Adrian Red Dog	Torrington: F. L. Wadhams & Sons, Inc.		12.64	16.25	16.00	3.62	3.50	1.76	4.00
6900	Washburn's Gold Medal Hard Wheat Bran & Ground Wheat Screenings ..	East Hartford: Eastern States Farmers' Exch.		10.25	14.69	14.00	4.54	3.50	9.33	12.00
7655	Washburn's Gold Medal Hard Wheat Standard Middlings, & Ground Wheat Screenings	Middletown: Meech & Stoddard, Inc.		9.22	15.56	15.00	4.00	4.00	5.32	9.50

4875	Larro SureRabbit	Unionville: Lawton & Miner Co.	10.05	18.25	15.00	3.94	2.00	13.54	19.00
7900	Larro SureTurk	South Norwalk: The Roodner Feed Co., Inc.	7.46	31.44	27.00	3.01	2.50	6.89	8.00
<p style="text-align: center;">The Glidden Co., Soya Products Division, Chicago, Ill.</p>									
4907	Glidden 44% Pro. Solvent Extracted Soybean Oil Meal	Pawcatuck: C. W. Campbell Co.	11.09	44.81	44.00	0.99	0.50	5.38	7.00
<p style="text-align: center;">Gloucester By-Products, Inc., Gloucester, Mass.</p>									
7919	Globpro Brand Fish Meal	Manchester: Central Co-Op Farm- ers Association, Inc.	6.26	60.88	55.00	7.79	5.00	1.00	2.00
<p style="text-align: center;">Gorton-Pew Fisheries Co., Ltd., Gloucester, Mass.</p>									
4672	Gorton's Al-Blend "Junior"	Wallingford: A. E. Hall	10.02	43.44	40.00	6.58	6.00	6.48	8.00
4997	Gorton's Al-Blend "Senior"	Canaan: Community Service, Inc.	9.72	41.56	40.00	8.12	7.50	6.15	8.00
7124	Gorton's Redfish Meal	Rockville: Farmers Milling Co.	6.48	57.88	55.00	7.39	5.00	0.31	2.00
<p style="text-align: center;">D. H. Grandin Milling Co., Jamestown, N. Y.</p>									
7729	Grandin's Breeder Mash	Hawleyville: W. A. Honan, Inc.	8.03	20.81	20.00	4.04	3.00	6.75	6.50
7623	Grandin's Broiler Finisher	Oneco: F. C. Whitford	8.96	19.00	18.00	4.82	3.00	3.84	4.50
6966	Grandin's Calf Starter	Danbury: H. E. Meeker	9.65	15.94	18.00	3.63	3.00	7.29	10.00
7685	Grandin's Dry & Freshening Ration ..	Putnam: Shepard & Whittemore, Inc.	7.06	12.75	12.00	3.71	3.00	7.54	12.00
7627	Grandin's 14 Fitting Ration	Oneco: F. C. Whitford	9.04	14.00	14.00	4.01	3.00	7.79	10.00
7730	Grandin's Hi Nutro Mash	Danbury: H. E. Meeker	8.86	16.63	15.00	3.66	3.00	4.51	5.00
7731	Grandin's Hi-Pro Pellets	Danbury: H. E. Meeker	8.42	22.25	22.00	3.35	3.00	6.90	6.50
6965	Grandin's Horse Feed	Danbury: H. E. Meeker	10.24	10.94	9.00	3.99	3.00	6.90	11.00
7629	Grandin's Intermediate Chick Grains	Oneco: F. C. Whitford	11.40	9.75	10.00	2.82	2.50	1.41	5.00
6964	Grandin's Laying Mash	Danbury: H. E. Meeker	8.25	20.38	20.00	3.99	3.00	6.70	6.50
7625	Grandin's 20 Milk Maker	Oneco: F. C. Whitford	9.22	19.69	20.00	2.77	3.00	7.83	10.00
7624	Grandin's Rabbit Pellets	Oneco: F. C. Whitford	8.46	13.81	14.00	4.69	2.00	9.77	18.00
6963	Grandin's Start-To-Finish Mash	Danbury: H. E. Meeker	8.44	20.94	20.00	4.76	3.00	6.38	6.50

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Moist- ure	Protein (N x 6.25)		Fat		Fiber	
				Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than
D. H. Grandin Milling Co.,—Cont. Jamestown, N. Y.									
7628	Grandin's 16 Test Ration	Oneco: F. C. Whitford	9.11	16.19	16.00	3.59	3.00	8.35	10.00
7622	Grandin's Turkey Fattener (Pelleted) ..	Oneco: F. C. Whitford	8.91	17.13	15.00	4.15	3.50	4.58	5.00
7684	Grandin's Turkey Grower (Pellets) ..	Putnam: Shepard & Whittemore, Inc.	6.21	21.25	20.00	3.49	3.00	5.20	6.50
7626	Grandin's Twin-Six Dairy Feed	Oneco: F. C. Whitford	9.81	15.19	16.00	4.00	3.00	7.64	10.00
The Great A & P Tea Co., Minneapolis, Minn.									
6903	Daily Egg Laying Mash	East Hartford: A & P Warehouse	8.96	21.50	20.00	3.14	3.00	4.95	7.50
6902	Daily—Growth Growing Mash	East Hartford: A & P Warehouse	9.08	18.13	17.50	4.07	3.00	4.86	7.50
Green Acre Farms, Nazareth, Pa.									
7064	Green Acres Brand 17% Dehy. Alfalfa Meal	Thomaston: Thomaston Supply Co., Inc.	7.07	18.31	17.00	2.43	2.00	26.62	27.00
Haffenreffer & Co., Inc., Boston, Mass.									
5162	Haffenreffer Brewer's Dried Yeast ..	Norwich: The Yantic Grain & Products Co.	7.90	39.38	42.00	0.84	0.80	4.83	5.50
W. L. Hogg Ltd., Montreal, Canada									
4847	Dried Brewer's Grains	Guilford: Fred C. Morse & Son	9.62	22.19	22.00	7.44	7.00	13.34	15.00

Hales & Hunter Co.,
Chicago, Ill.

4775	Gold Flake 16½ Dairy	Putnam: Putnam Farmers Co-Op. Assn., Inc.	12.07	16.56	16.50	2.64	2.00	9.69	15.00
5103	Pioneer Beef Cattle 20	Shelton: Wolf Savitsky & Sons, Inc.	8.42	20.69	20.00	3.22	2.00	7.84	12.00
4773	Pioneer Calf Starter	Putnam: Putnam Farmers Co-Op. Assn., Inc.	12.32	19.19	18.00	2.86	2.50	4.84	8.50
7702	Pioneer Creep & Fitting	Putnam: Putnam Farmers Co-Op. Assn., Inc.	8.49	12.75	12.00	3.76	2.50	5.22	9.00
7146	Pioneer Dairy Fitting Feed	Shelton: Wolf Savitsky & Sons, Inc.	8.74	19.63	14.00	3.35	2.50	6.15	10.00
5100	Pioneer 32 Dairy Pellets	Shelton: Wolf Savitsky & Sons, Inc.	8.79	35.38	32.00	2.41	2.00	5.42	8.00
4768	Pioneer 15 Dairy Ration	Putnam: Putnam Farmers Co-Op. Assn., Inc.	13.83	17.38	15.00	3.29	3.00	6.09	9.00
4774	Pioneer Dry & Freshening	Putnam: Putnam Farmers Co-Op. Assn., Inc.	13.41	13.81	12.00	3.72	2.50	6.57	10.00
7696	Pioneer Hog Ration 15	Putnam: Putnam Farmers Co-Op. Assn., Inc.	7.96	15.75	15.00	2.52	2.50	5.79	8.00
4771	Pioneer Horse Feed	Putnam: Putnam Farmers Co-Op. Assn., Inc.	14.20	10.75	9.00	3.62	2.50	6.12	10.00
5102	Pioneer Pelleted Flaked 15 Dairy	Shelton: Wolf Savitsky & Sons, Inc.	10.35	18.56	15.00	3.06	3.00	5.12	9.00
7701	Pioneer Pelleted Flaked Dairy Goat Feed	Putnam: Putnam Farmers Co-Op. Assn., Inc.	8.49	18.13	15.00	3.48	3.00	5.20	9.00
5117	Pioneer Rabbit Feed	Manchester: Little & McKinney, Inc.	10.16	18.13	16.00	3.44	2.00	7.32	15.00
4919	Red Comb All Mash Grower	New London: New London Grain Co.	11.38	17.88	15.00	3.29	3.00	5.11	7.00
4936	Red Comb Broiler Mash	New London: New London Grain Co.	11.42	21.19	20.00	3.01	3.00	4.55	6.00
4617	Red Comb Grate Fattener	New Haven: R. G. Davis & Sons Newtown: Newtown Farm Supply	11.78	13.38	13.00	3.53	3.00	4.58	7.00
7558	Red Comb Egg Mash (Pelleted)	Putnam: Putnam Farmers Co-Op. Assn., Inc.	7.54	22.81	20.00	4.61	3.00	5.92	7.00
7700	Red Comb C Flakes		9.04	15.75	15.00	2.66	2.50	2.26	5.00
4939	Red Comb Growing Mash	New London: New London Grain Co.	11.75	18.50	18.00	3.24	3.00	5.46	7.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Guaran- teed not less than		Guaran- teed not less than		Guaran- teed not more than		
			Found	Found	Found	Found	Found	Found	
Hales & Hunter Co.,—Cont.									
Chicago, Ill.									
5118	Red Comb Sup-Pel	Manchester: Little & McKinney, Inc.	9.76	22.75	21.00	4.29	3.00	6.09	8.00
7145	Red Comb Turkey Grower	Shelton: Wolf Savitsky & Sons, Inc.	7.69	21.06	21.00	4.71	3.00	5.00	7.00
7559	Red Comb Turkey Starter	Newtown: Newtown Farm Supply	8.29	28.13	27.00	4.16	3.00	5.13	6.00
A. E. Hall,									
Wallingford, Conn.									
7714	Hall's Growing Mash	Wallingford: A. E. Hall	7.80	18.75	16.00	5.41	3.50	5.66	7.50
4670	Hall's Hi-Lo Starter & Broiler	Wallingford: A. E. Hall	12.24	20.69	20.00	5.22	3.50	3.45	4.50
4671	Hall's Laying Mash	Wallingford: A. E. Hall	10.57	21.88	20.00	4.41	3.50	5.58	7.50
Dwight Hamlin Co.,									
Pittsburgh, Pa.									
7960	Hamlin's Dried Brewers Grains	Derby: Derby Feed Store	5.53	28.13	24.00	4.19	6.00	13.21	18.00
H. P. Hood & Sons, Inc.,									
Boston, Mass.									
5157	Dried Skimmed Milk	Norwich: The Yantic Grain & Products Co.	6.69	30.88	28.00	5.46	0.75
5152	Hood's Calf Starter	Willimantic: Willimantic Grain Co.	9.65	29.19	28.00	2.97	3.00	3.40	4.00

**The Hubinger Co.,
Keokuk, Iowa**

4726 Ke OK uk Corn Gluten Feed Middletown: Meech & Stoddard,
Inc. 11.42 25.19 23.00 1.79 2.00 7.12 8.50

**Humphreys-Godwin Co.,
Memphis, Tenn.**

7897 Dixie Brand 41% Cottonseed Meal .. Shelton: Wolf Savitsky & Sons,
Inc. 8.36 **39.88** **41.00** 5.37 4.00 11.25 12.00

**Illinois Cereal Mills, Inc.,
Paris, Ill.**

5147 Hominy Feed South Coventry: E. W. Latimer 10.56 11.25 10.00 5.18 5.00 4.11 5.00

**Inter-Continental Grain Co., Ltd.,
2 King St. East,
Toronto (1), Canada**

7518 Ranger Brand Pure Wheat Bran Mystic: C. W. Campbell Co. .. 9.34 16.75 15.00 4.53 3.50 8.23 11.50
7235 Ranger Brand Pure Wheat Shorts ... Middletown: Meech & Stoddard,
Inc. 11.56 18.44 15.00 5.56 3.50 6.41 10.50

**International Milling Co.,
Minneapolis, Minn.**

7589 Blackhawk Wheat Bran Seymour: Seymour Grain & Coal
Co. 9.74 14.81 15.00 4.44 2.50 8.19 12.00
4837 Blackhawk Wheat Standard Bran with
Ground Wheat Screenings Branford: S. V. Osborn, Est. .. 13.22 15.50 15.00 4.54 2.50 9.49 12.00
4984 Blackhawk Wheat Standard Middlings
with Ground Wheat Screenings Plantsville: C. A. Cowles, Inc. .. 13.44 15.63 15.00 4.31 3.00 6.14 9.50
6954 Midds West Willington: Hansen's Store 10.01 16.13 15.00 4.44 3.00 7.01 9.50
5163 Target Wheat Red Dog Norwich: The Yantic Grain &
Products Co. 11.39 18.06 15.00 4.66 2.00 4.27 4.00

**Herman Isacs, Inc.,
Bridgeport, Conn.**

4834 Meat & Bone Scrap Manchester: Central Conn. Co-
Op. Farmers' Assoc., Inc. 6.90 **46.50** **50.00** 8.36 8.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	
Kasco Mills, Inc., Waverly, New York									
4864	Kasco All Mash Grower Ration	East Haven: East Haven Hay & Grain Supply	13.07	17.00	15.00	3.79	3.00	4.17	7.00
4860	Kasco All Mash Layer Ration	East Haven: East Haven Hay & Grain Supply	12.21	16.19	15.00	3.12	3.00	4.01	7.50
7708	Kasco Beatsall Milk Grains 16%	West Willington: Hansen's Store	8.64	18.75	16.00	4.74	3.50	6.95	10.00
7707	Kasco Beatsall Milk Grains 20%	West Willington: Hansen's Store	8.64	23.06	20.00	4.99	3.50	7.24	10.00
6929	Kasco Chick Starter	West Willington: Hansen's Store	9.09	20.94	20.00	4.36	3.00	3.92	5.50
4861	Kasco Complete Rabbit Ration	East Haven: East Haven Hay & Grain Supply	11.98	18.06	17.00	2.91	2.00	8.68	13.00
6927	Kasco Egg Producer	West Willington: Hansen's Store	8.23	21.13	20.00	3.93	3.00	5.29	7.50
7709	Kasco Fitting Ration	West Willington: Hansen's Store	8.32	18.06	14.00	4.69	3.50	6.18	10.00
6931	Kasco Gro-Calf	West Willington: Hansen's Store	9.63	19.06	20.00	3.59	3.00	4.20	7.50
7710	Kasco Growing Mash	West Willington: Hansen's Store	6.51	20.94	18.00	3.64	3.00	5.45	7.50
4862	Kasco Mormilk Dairy Feed	East Haven: East Haven Hay & Grain Supply	11.93	24.56	24.00	2.64	3.50	6.98	10.00
6932	Kasco Poul-tri-tonE	West Willington: Hansen's Store	8.30	22.06	20.00	3.93	3.00	4.68	7.50
6928	Kasco Turkey Grower	West Willington: Hansen's Store	9.17	21.69	20.00	3.63	3.00	4.62	7.50
6930	Kasco Vig-R/-ets	West Willington: Hansen's Store	8.80	21.56	20.00	4.34	3.00	3.37	5.50
Kellogg Co., Battle Creek, Mich.									
7133	Kellogg's Hominy Feed	Derby: Derby Feed Store	9.81	10.81	9.50	8.99	6.00	3.64	5.00
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.									
4616	Spencer Kellogg's 32% Protein Old Process Linseed Oil Meal	New Haven: R. G. Davis & Sons	11.03	34.56	32.00	2.76	3.50	7.96	9.50

7616	Spencer Kellogg's 44% Protein Toasted Soybean Oil Meal—Solvent Extracted	Norwalk: Libner Grain Co., Inc.	8.84	47.06	44.00	0.84	0.50	4.80	7.00
<p style="text-align: center;">Keystone Dehydrators, Nazareth, Pa.</p>									
7051	Keystone Super Green Dehydrated Alfalfa Meal	Watertown: The Watertown Co-Op. Assn., Inc.	6.63	17.81	17.00	2.29	2.00	26.40	27.00
<p style="text-align: center;">Chas. A. Krause Milling Co., Milwaukee, Wis.</p>									
5089	Badger Yellow Hominy Feed	Ansonia: Reliable Grain & Fuel Co.	11.30	10.19	10.00	5.56	5.00	3.33	6.00
<p style="text-align: center;">Kuder Pulp Sales Co., Lake Alfred, Fla.</p>									
4666	Kuder Dried Citrus Pulp—High Sugar	North Haven: Eastern States Farmers' Exchange, Inc.	11.19	6.00	6.00	3.39	5.00	9.39	13.00
7909	Kuder Dried Citrus Pulp—High Sugar (Late Production)	Bridgeport: Brooklawn Grain & Feed Co.	7.42	7.06	6.00	3.23	3.00	10.89	13.00
<p style="text-align: center;">Lake of the Woods Milling Co., Montreal, Canada</p>									
5146	Lakewoods Wheat Bran	South Coventry: E. W. Latimer	11.62	15.88	15.00	4.69	3.50	10.42	11.50
<p style="text-align: center;">E. W. Latimer, South Coventry, Conn.</p>									
5144	College 18% Dairy	South Coventry: E. W. Latimer	11.15	17.25	18.00	3.29	4.00	7.88	9.00
5143	College Fitting Ration	South Coventry: E. W. Latimer	11.32	15.31	14.00	4.35	4.00	7.66	9.00
5145	College Laying Mash	South Coventry: E. W. Latimer	12.06	17.38	17.00	4.14	4.00	6.69	8.00
<p style="text-align: center;">Lauhoff Grain Co., Danville, Ill.</p>									
7021	Vermillion Hominy Feed	Norwich: The A. E. Shedd Co.	8.04	10.94	9.00	5.56	5.00	3.75	6.00

7069	Common Sense Laying Mash	Torrington: Litchfield Co-Op. Assoc.	10.51	17.88	18.00	3.61	3.50	5.93	7.00
7860	Common Sense Starting and Growing Mash	Torrington: Litchfield Co-Op. Assoc.	8.36	19.13	18.00	2.69	3.50	4.84	7.00
<p style="text-align: center;">Long Hill Feed Store, Long Hill, Conn.</p>									
7560	Improved Square Deal Dairy Ration ..	Long Hill: Long Hill Feed Store	9.84	18.06	18.00	3.81	4.50	6.44	10.00
<p style="text-align: center;">A. S. MacDonald Commission Co., Boston, Mass.</p>									
7076	Great Star Shorts	Manchester: Central Conn. Co-Op. Farmers Assoc., Inc.	9.80	16.63	16.00	4.89	5.00	6.09	8.00
4824	Jervis Pure Wheat Shorts	Manchester: Central Conn. Co-Op. Farmers Assoc., Inc.	11.32	17.31	16.00	6.09	5.00	7.03	8.00
4661	"Parrheim" Pure Wheat Shorts	Seymour: Seymour Grain & Coal Co.	13.77	17.31	15.00	4.11	3.50	5.65	8.00
7817	"Parrheim" Wheat Bran	Lakeville: Community Service, Inc.	9.20	16.50	14.00	4.79	3.50	8.56	11.50
<p style="text-align: center;">Maritime Milling Co., Inc., Buffalo, N. Y.</p>									
7807	B-B Bull Brand "16" Dairy Ration ..	Gaylordsville: Elmer E. Carlson	8.80	19.06	16.00	4.00	3.00	7.35	9.00
7906	B-B Bull Brand Fitting Ration	Bridgeport: Savitt Grain Exchange	8.22	15.00	13.00	3.71	3.00	7.95	10.00
7907	B-B Bull Brand 18% Special Dairy Ration	Bridgeport: Savitt Grain Exchange	7.46	19.31	18.00	3.56	3.00	9.61	10.00
6994	B-B Complete Laying Ration	Bantam: Washington Supply Co., Inc.	11.16	19.81	16.00	3.79	3.00	5.62	8.50
7787	B-B Complete Rabbit Feed (Pelleted)	Gaylordsville: Elmer E. Carlson	8.27	17.69	17.50	3.64	3.00	7.45	15.00
5087	B-B Horse Feed	Ansonia: Reliable Grain & Fuel Co.	11.70	11.38	9.00	3.32	3.00	5.39	10.00
7855	B-B Ma-Co Breeder Mash	Winsted: C. S. Roberts & Sons ..	8.54	22.19	21.00	2.63	2.50	2.92	4.00
4889	B-B Ma-Co Broiler Ration	No. Stonington: Stewart & Proctor Farmer's Supply Co.	13.79	21.56	22.00	3.08	2.50	2.78	3.50
7806	B-B Ma-Co Complete Growing Ration	Gaylordsville: Elmer E. Carlson	10.10	20.06	18.00	3.89	2.50	2.61	4.00
4892	B-B Ma-Co Complete Turkey Growing	No. Stonington: Stewart & Proctor Farmer's Supply Co.	12.64	22.13	22.00	3.54	3.00	2.49	4.00

7581	Master Mix Broiler Concentrate	Seymour: Seymour Grain & Coal Co.	7.60	41.88	38.00	2.43	2.00	5.28	6.00
7585	Master Mix Calf Concentrate with Methio-Vite	Seymour: Seymour Grain & Coal Co.	7.92	30.56	26.00	2.56	2.50	4.56	7.00
6865	Master Mix Calflac	Seymour: Seymour Grain & Coal Co.	8.91	17.25	17.00	0.78	1.50	0.26	0.50
7582	Master Mix Chick Concentrate	Seymour: Seymour Grain & Coal Co.	6.42	38.81	36.00	3.53	1.50	5.85	9.00
7153	Master Mix Complete Calf Feed	Guilford: Fred C. Morse & Son	9.09	20.69	17.50	3.17	3.00	5.30	8.00
6870	Master Mix 16% Dairy Feed	Seymour: Seymour Grain & Coal Co.	9.27	17.25	16.00	2.63	2.50	6.74	9.00
6861	Master Mix Egg Mash (Pelleted)	Seymour: Seymour Grain & Coal Co.	9.16	21.19	20.00	3.64	2.50	5.27	7.00
7154	Master Mix Egglac Pellets	Guilford: Fred C. Morse & Son	8.62	23.69	20.00	3.49	2.50	5.34	7.00
6863	Master Mix Fitting Feed	Seymour: Seymour Grain & Coal Co.	10.48	14.88	13.00	3.11	3.00	5.07	10.00
6864	Master Mix Horse Feed	Seymour: Seymour Grain & Coal Co.	10.34	13.00	10.00	3.16	3.00	6.04	9.00
7583	Master Mix Layer Concentrate	Seymour: Seymour Grain & Coal Co.	7.06	37.88	34.00	2.77	1.50	5.30	9.00
7962	Master Mix Pig Concentrate	Seymour: Seymour Grain & Coal Co.	9.65	40.81	38.00	2.24	1.50	5.85	8.00
7577	Master Mix Pullet Grower with Methio-Vite	Seymour: Seymour Grain & Coal Co.	7.23	22.06	18.00	3.89	2.50	6.01	7.00
6859	Master Mix Rabbit Pellets	Seymour: Seymour Grain & Coal Co.	9.78	16.44	15.00	3.22	2.00	7.79	16.00
7152	Master Mix Turkey Concentrate	Guilford: Fred C. Morse & Son	7.30	37.69	36.00	2.28	1.50	5.40	7.00
7155	Master Mix Turkey Grower	Guilford: Fred C. Morse & Son	8.76	23.63	20.00	2.86	2.50	5.79	7.00
6867	Master Mix Waylac	Seymour: Seymour Grain & Coal Co.	8.12	17.00	17.00	2.81	2.00	4.75	7.00
Meech & Stoddard, Inc., Middletown, Conn.									
4720	M & S Economy Dairy Feed	Middletown: Meech & Stoddard, Inc.	11.89	17.88	16.00	3.76	3.50	7.09	10.00
7197	Red Wing Calf Starter & Grower	Middletown: Meech & Stoddard, Inc.	8.25	17.13	16.00	3.75	3.50	6.41	8.00
7648	Red Wing 15% Dairy Feed	Middletown: Meech & Stoddard, Inc.	8.16	16.69	15.00	3.80	3.80	7.35	9.00

Midwest Dried Milk Co.,
Dundee, Ill.

7620 Midwest Sweet Dried Whey Norwalk: Libner Grain Co., Inc. 4.41 13.00 12.50 1.19 0.75 0.19 0.50

Miller Alfalfa Co.,
Defiance, Ohio

7031 Miller's Choice Brand 17% Dehydrated Alfalfa Meal Norwich: The Yantic Grain & Products Co. 7.37 16.13 17.00 2.24 1.50 25.43 27.00

Miner-Hillard Milling Co.,
Wilkes-Barre, Pa.

4660 Choice Steam Cooked Hominy Feed .. Seymour: Seymour Grain & Coal Co. 11.64 11.31 10.00 5.09 5.00 3.75 5.00

Minnesota Linseed Oil Co.,
Minneapolis, Minn.

7814 Minnesota 36% Protein Solvent Extracted Linseed Oil Meal Cornwall Bridge: R. W. Sandmeyer 9.65 36.00 36.00 2.07 0.50 8.58 9.50

Minute Maid Corp.,
Leesburg, Fla.

4865 Golden Isle Citrus Pulp Mount Carmel: Hamden Grain Co. 9.36 6.88 6.00 4.53 3.00 11.06 18.00

Montnorency Distillery, Ltd.,
Beaupre, Quebec, Canada

7850 Corn Distiller's Dried Grains Norwich: The Yantic Grain & Products Co. 5.19 28.88 28.00 6.95 5.00 12.89 14.60

George Q. Moon & Co., Inc.,
Binghamton, N. Y.

7631 Moon Breeder Mash Central Village: Central Grain Co. 8.45 20.38 20.00 4.12 4.00 5.96 7.00
7633 Moon Complete Breeder Mash Central Village: Central Grain Co. 8.46 18.13 16.00 4.07 4.00 6.93 7.00
7516 Moon Complete Laying Mash Old Mystic: James Baker 8.44 16.94 16.00 5.44 3.50 6.03 7.00
4947 Moon Complete Starter & Broiler ... Meriden: Reliable Grain & Feed Store 10.83 19.38 17.50 3.88 3.50 6.28 7.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	
George Q. Moon & Co., Inc.,—Cont. Binghamton, N. Y.									
4949	Moon Dairy Fitting Ration	Meriden: Reliable Grain & Feed Store	11.21	14.44	13.00	4.54	4.00	7.14	9.00
7058	Moon Developing Grains	Thomaston: Thomaston Supply Co., Inc.	10.29	10.38	10.00	2.54	1.50	2.39	5.00
7720	Moon Growing Mash	Meriden: Reliable Grain & Feed Store	7.44	18.13	18.00	4.59	3.50	6.42	7.00
7825	Moon Hog Feed	Norfolk: Curtis & Collar	8.83	15.44	13.00	5.26	3.00	6.84	12.00
7721	Moon Horse Feed with Molasses	Meriden: Reliable Grain & Feed Store	7.59	12.50	9.00	2.23	1.50	7.47	10.00
4948	Moon Laying Mash	Meriden: Reliable Grain & Feed Store	10.71	20.38	20.00	3.86	3.50	6.80	7.00
7634	Moon Poultry Fitting Ration	Central Village: Central Grain Co.	9.41	14.75	11.00	2.92	2.50	6.31	11.00
7597	Moon Rabbit Pellets	Glenbrook: Frank Policastro & Sons	7.30	15.38	15.00	4.23	2.50	11.11	10.00
7514	Moon Scratch Feed	Old Mystic: James Baker	10.76	9.81	10.00	3.38	2.00	3.57	5.00
4950	Moon Special A 16% Dairy Ration	Meriden: Reliable Grain & Feed Store	11.41	15.50	16.00	3.94	3.50	8.01	10.00
7632	Moon Starter Mash	Central Village: Central Grain Co.	8.49	20.50	20.00	3.64	3.50	5.35	7.00
7826	Moon Stock Feed	Norfolk: Curtis & Collar	8.33	11.69	9.00	3.41	3.00	13.19	12.00
7722	Moon Super Laying Mash (a high energy mash)	Meriden: Reliable Grain & Feed Store	8.44	16.06	16.00	3.71	2.50	3.14	5.00
7635	Moon Super Starter & Broiler Mash	Central Village: Central Grain Co.	8.78	21.88	20.00	2.03	3.00	2.93	3.50
7619	Moon Turkey Grower Mash	Norwalk: Libner Grain Co., Inc.	8.12	19.94	20.00	4.02	4.00	6.65	6.50

**Fred C. Morse & Son,
Guilford, Conn.**

4842	Old Mill Breeder Mash	Guilford: Fred C. Morse & Son	12.18	20.50	20.00	3.36	3.50	5.96	7.50
7148	Old Mill Complete Laying Mash	Guilford: Fred C. Morse & Son	9.28	16.81	16.00	4.19	3.50	5.21	7.50
7151	Old Mill 16% Dairy Feed	Guilford: Fred C. Morse & Son	9.26	16.25	16.00	3.43	2.50	4.67	8.00
4848	Old Mill Fitting Feed	Guilford: Fred C. Morse & Son	12.73	15.31	12.00	4.04	4.00	5.83	8.00
4841	Old Mill Growing Mash	Guilford: Fred C. Morse & Son	12.99	17.75	18.00	3.53	3.50	5.12	6.50
7149	Old Mill Hog Feed	Guilford: Fred C. Morse & Son	8.67	16.63	14.00	3.39	3.50	5.89	6.00
4840	Old Mill Laying Mash	Guilford: Fred C. Morse & Son	13.06	19.63	20.00	3.44	3.50	5.60	7.50
7150	Old Mill Supur Broiler Mash	Guilford: Fred C. Morse & Son	9.34	23.38	20.00	4.01	3.00	3.15	4.00
7157	Old Mill Turkey Grower	Guilford: Fred C. Morse & Son	9.66	21.69	20.00	3.37	3.00	4.72	7.00

**Mt. Vernon Milling Co.,
Mt. Vernon, Ind.**

4904	Poco Hominy Feed	Pawcatuck: C. W. Campbell Co.	12.03	11.63	10.00	5.26	5.50	4.31	6.00
------	------------------------	-------------------------------	-------	-------	-------	------	------	------	------

**Mowat, Wilson & Co.,
Detroit, Mich.**

7866	Dried Beet Pulp	Norwich: The A. E. Shedd Co. ..	7.19	9.19	7.00	0.76	0.30	18.23	22.50
7829	Dried Molasses — Beet Pulp	Norwich: The Yantic Grain & Products Co.	7.75	9.38	7.00	0.81	0.30	15.38	20.00

**Nappanee Milling Co., Inc.,
Nappanee, Ind.**

7520	Hominy Feed	Pawcatuck: C. W. Campbell Co.	7.51	10.88	9.50	9.36	6.50	4.74	7.50
------	-------------------	-------------------------------	------	-------	------	------	------	------	------

**National Alfalfa Dehydrating &
Milling Co.,
Lamar, Colo.**

7920	Jack Rabbit 17% Dehydrated Alfalfa Meal	Manchester: Central Conn. Co- Op. Farmers Assoc., Inc.	6.14	21.50	17.00	3.29	1.50	20.74	27.00
------	--	--	------	-------	-------	------	------	-------	-------

**National Biscuit Co.,
Toledo Mill,
Toledo, Ohio**

7951	Pure Wheat Bran	Bristol: Elmore Stores, Inc. ...	10.36	16.75	13.00	4.51	3.00	10.30	10.00
------	-----------------------	----------------------------------	-------	-------	-------	------	------	-------	-------

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist-ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than
7656	National Foods, Inc., Indianapolis, Ind. Pulverized Feed Oats	Middletown: Meech & Stoddard, Inc.	8.09	12.69	11.00	2.92	2.00	13.80	15.00
7645	Newton Concentrates, Ashby, Mass. Newton Bovine Concentrates (Sweet Super)	Middletown: Conn. State Hospi- tal	8.64	18.75	16.00	5.09	5.00	6.82	9.00
7647	Newton Green Roughage Concentrates	Middletown: Conn. State Hospi- tal	8.79	15.19	14.00	3.29	3.00	11.13	12.00
4814	Nopco Chemical Co., Harrison, N. J. Nopdex "3000"	Norwich: The Yantic Grain & Products Co.	10.55	42.81	40.00	1.90	0.50	5.17	9.00
6787	Ogden Grain Co., Utica, N. Y. Ogden Complete Starter Grower Layer Breeder (Pellets)	Quinebaug: M. T. Dartt	11.81	16.81	16.00	3.34	2.50	4.67	7.50
6784	Ogden 16% Dairy Feed	Quinebaug: M. T. Dartt	11.57	17.19	16.00	3.77	3.50	6.83	9.00
6786	Ogden Growing Mash	Quinebaug: M. T. Dartt	15.33	20.56	18.00	3.69	3.50	6.14	7.50
6785	Ogden Horse Feed	Quinebaug: M. T. Dartt	12.31	10.81	10.00	4.14	3.00	5.78	9.00
4674	Ogilvie Flour Mills Co., Ltd., Montreal, Canada Ogilvie Wheat Bran	Wallingford: A. E. Hall	12.37	15.50	15.00	4.54	3.50	10.65	11.50

Park & Pollard Co., Inc.,
Buffalo, N. Y.

7536	Claco Dairy Ration	Southbury: C. L. Adams Co. ..	7.64	21.00	20.00	3.27	3.50	5.68	9.00
7571	Go-Tu-It Pig & Hog Ration	Waterbury: H. S. Coc & Co., Inc.	8.11	17.13	16.00	5.11	3.00	4.76	6.00
7569	Hi-Prime Turkey Grower	Waterbury: H. S. Coc & Co., Inc.	8.26	24.75	22.00	3.07	3.00	4.09	5.50
7694	Lay or Bust All Mash Breeder	Putnam: Dayville Grain & Feed Co.	8.27	18.88	16.50	4.22	3.00	4.02	5.00
5023	Lay or Bust All Mash Layer	West Haven: West Haven Grain & Feed Co.	10.69	18.31	16.50	4.04	3.00	5.08	5.00
7190	Lay or Bust Broiler Finishing Mash ..	Willimantic: W. D. Grant Co. ..	8.64	18.88	18.00	3.63	3.00	2.80	4.00
7914	Lay or Bust Broiler Mash	Willimantic: W. D. Grant Co. ..	8.26	25.00	22.00	3.39	3.00	4.13	4.50
7570	Lay or Bust Chick Scratch	Waterbury: H. S. Coc & Co., Inc.	10.41	10.88	9.00	2.49	2.00	0.85	3.50
5022	Lay or Bust Egg Mash	West Haven: West Haven Grain & Feed Co.	11.29	20.94	20.00	3.79	3.00	4.53	5.50
7877	Lay or Bust Flething Pellets	Colchester: P. Cutler, Inc.	8.76	19.63	15.00	4.12	3.00	4.93	5.50
7187	Lay or Bust Growing Feed	Willimantic: W. D. Grant Co. ..	8.46	19.75	18.00	3.79	3.00	4.61	5.50
6799	Lay or Bust Hi Power Broiler Ration ..	Colchester: P. Cutler, Inc.	11.11	22.56	22.00	3.38	3.00	3.17	4.00
7853	Lay or Bust Hi Valu Pellets	New Hartford: The Geo. W. Case, Inc.	7.57	15.81	12.00	3.04	2.50	5.43	6.50
7537	Lay or Bust Laying Pellets	Southbury: C. L. Adams Co. ..	8.96	21.69	20.00	3.36	3.00	4.41	5.50
7876	Milk-Maid Bulky Sweet Dairy	Colchester: P. Cutler, Inc.	8.61	15.00	12.00	3.34	2.50	10.14	14.00
7878	Milk-Maid Calf Meal	Colchester: P. Cutler, Inc.	9.21	25.50	20.00	4.68	3.50	5.74	7.00
7188	Milk-Maid Calf Starter Mix	Willimantic: W. D. Grant Co. ..	8.57	19.69	19.00	4.14	3.00	5.84	8.00
7879	Milk-Maid Calf Starter Pellets	Colchester: P. Cutler, Inc.	8.19	27.50	22.00	3.58	3.50	5.75	7.00
6987	Milk-Maid 16% Dairy Ration	Danbury: Frenchie's Coal & Grain	9.50	17.75	16.00	5.26	3.50	7.18	10.00
7572	Milk-Maid 20% Dairy Ration	Waterbury: The Spencer Grain Co.	7.86	22.88	20.00	4.65	3.50	7.06	10.00
7189	Milk-Maid Dri-Fresh Ration	Willimantic: W. D. Grant Co. ..	8.32	14.63	12.00	4.01	3.00	8.35	10.00
7186	Milk-Maid Fitting Ration	Willimantic: W. D. Grant Co. ..	9.07	15.63	14.00	4.47	3.00	6.06	9.00
7538	Milk-Maid Goat Feed	Southbury: C. L. Adams Co. ..	7.24	17.31	16.00	3.53	3.00	5.92	9.00
7693	Milk-Maid Test Cow Ration	Putnam: Dayville Grain & Feed Co.	8.01	20.69	18.00	4.19	4.00	6.01	9.00
6800	Milk-Maid 14% Test Ration	Colchester: P. Cutler, Inc.	11.05	14.31	14.00	4.67	4.00	7.58	9.00
7573	Park & Pollard Rabbit Pellets	Waterbury: The Spencer Grain Co.	7.46	17.06	14.00	4.62	2.50	7.70	12.00
4765	Red Ribbon 16% Dairy Ration	Dayville: The Dayville Grain Co.	12.06	16.88	16.00	3.56	3.50	7.97	11.00
6801	Yankee Horse Feed	Colchester: P. Cutler, Inc.	12.21	13.44	10.00	3.74	2.50	5.69	10.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Protein (N x 6.25)		Fat		Fiber	
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found more than
5098	Pasco Packing Co., Dade City, Fla. Sugar-Sweet Citrus Pulp	Ansonia: Ansonia Feed Co.	7.11	6.38	6.00	4.34	2.50	11.63 13.50
5015	Patent Cereals Co., Geneva, N. Y. Hominy Feed	Torrington: F. L. Wadhams & Sons, Inc.	12.15	10.13	9.00	6.28	5.00	3.75 5.00
7913	Pet Milk Co., Arcade Bldg., St. Louis, Mo. Pet Dry Milk Solids (Animal Feed) ..	Willimantic: Checkerboard Feed Store	4.66	35.25	.....	1.28	.....	.....
4633	Phenix Milling Co., Ltd., Galt, Ontario, Canada Phenix Wheat Bran	Norwalk: Libner Grain Co., Inc. Shelton: Wolf Savitsky & Sons, Inc.	13.68	17.50	15.00	4.54	3.50	7.85 11.50
7135	Phenix Wheat Shorts		9.59	17.75	16.00	5.44	5.00	7.56 8.00
7276	A. D. Pierce, Brooklyn, Conn. Pierce Hi-Energy Mash	Brooklyn: A. D. Pierce	9.80	17.25	16.00	4.44	3.00	3.66 4.50
4729	Pierce Laying Mash	Brooklyn: A. D. Pierce	12.06	24.06	20.00	4.14	3.00	5.83 7.50
7277	Pierce Special Layer	Brooklyn: A. D. Pierce	9.47	16.88	16.00	4.16	3.00	3.48 5.00
4881	Pillsbury Mills, Inc., Minneapolis, Minn. Pillsbury's Hard Wheat Bran—Gr. Wheat Scr.	Plainville: Sunshine Feed Store	12.99	17.75	14.00	4.64	4.00	9.08 12.00

7023	Pillsbury's Hard Wheat Standard B. Middlings	Norwich: Eastern States Farmers Exch., Inc.	9.94	18.75	15.00	5.28	4.00	6.21	9.50
7915	Pillsbury's Hard Wheat Standard B. Middlings—Gr. Wh. Scr.	Willimantic: W. D. Grant Co. ...	8.31	18.75	15.00	5.44	4.00	8.42	9.50
7868	Pillsbury's Wheat Bran	Norwich: The A. E. Shedd Co. ...	8.88	15.81	14.50	4.48	3.50	8.50	11.00
7810	Pillsbury's XX Daisy	Gaylordsville: Elmer E. Carlson ..	8.96	16.75	16.00	4.64	4.00	3.50	4.00
Platte Valley Products, Lexington, Neb.									
4821	17% Dehydrated Alfalfa Meal	Norwich: The Yantic Grain & Products Co.	7.11	18.75	17.00	2.43	1.50	22.42	27.00
Portage Valley Milling Co., Bradner, Ohio									
7078	17% Valley Green Dehy. Alfalfa Meal	Manchester: Central Conn. Co-Op. Farmers Assoc., Inc.	7.06	17.25	17.00	2.02	1.50	25.82	27.00
R. C. Pratt & Co., Ltd., 18 Toronto St., Toronto, Canada									
5164	Ruler Brand Pure Wheat Bran	Norwich: The Yantic Grain & Products Co.	11.71	14.88	15.00	3.79	3.50	8.72	11.50
Publicker Industries, Inc., 1429 Walnut St., Philadelphia 2, Pa.									
5107	"Paco" Molasses Distillers Dried Solubles	Manchester: Central Conn. Co-Op. Farmers Assoc., Inc.	4.97	11.94	10.00	0.19	0.50	0.20	1.00
Pure Milk Products Co., Winsted, Minn.									
5111	Dried Whey Product	Manchester: Central Conn. Co-Op. Farmers Assoc., Inc.	10.66	23.00	23.00	0.08	0.50	0.08	0.10
Purity Flour Mills, Ltd., Toronto, Canada									
7325	Pioneer Bran	Bloomfield: Bloomfield Far. Exch., Inc.	9.44	16.50	15.00	5.39	3.50	9.20	11.50

**Quebec Sugar Refinery,
St. Hilaire,
P.Q., Canada**

7870	Dried Beet Pulp	Norwich: Checkerboard Feed Store	7.64	8.75	7.00	1.19	0.30	19.18	22.50
------	-----------------------	--	------	------	------	------	------	-------	-------

**Ralston-Purina Company,
St. Louis, Mo.**

7869	Corn and Oat Provender	Norwich: Checkerboard Feed Store	8.48	11.13	10.00	4.66	3.50	5.59	10.00
4938	Northeastern Scratch Feed	New London: New London Grain Co.	14.10	12.13	9.00	2.04	2.00	2.85	5.00
7775	Northeastern Special Dairy 16%	New Milford: Checkerboard Feed Store	9.31	16.56	16.00	3.99	3.00	9.33	15.00
4777	Purina B and M Cow Chow	Willimantic: Checkerboard Feed Store	12.92	18.00	16.00	3.57	3.50	7.32	10.00
7784	Purina Beef Chow	New Milford: Checkerboard Feed Store	7.92	34.56	32.00	2.52	2.50	5.58	8.00
7774	Purina Breeder Lay Chow E	New Milford: Checkerboard Feed Store	9.52	23.75	22.00	4.54	2.50	4.18	5.50
4937	Purina Breeder Layena (Complete Ration) E	New London: New London Grain Co.	12.84	16.25	16.00	3.59	2.50	3.44	5.00
7773	Purina Broiler Chow E	New Milford: Checkerboard Feed Store	10.05	19.50	18.00	4.59	3.00	4.40	7.00
7779	Purina Bulky Las	New Milford: Checkerboard Feed Store	9.23	12.00	10.00	3.09	1.50	12.89	15.00
7008	Purina Calf Startena E	New Milford: Checkerboard Feed Store	10.15	21.00	19.50	2.51	2.50	6.59	9.50
4776	Purina Chick Chow (coarse)	Willimantic: Checkerboard Feed Store	13.42	9.69	9.00	3.08	2.00	1.48	4.00
4788	Purina Chick Chow (fine)	Norwich: Checkerboard Feed Store	13.41	10.13	10.00	3.03	2.00	1.57	4.00
4791	Purina Chick Growena E	Norwich: Checkerboard Feed Store	11.76	18.00	17.00	4.39	3.00	5.06	7.00
7006	Purina Chick Growing Chow E	New Milford: Checkerboard Feed Store	9.46	22.38	23.00	2.83	2.50	5.44	8.00
7780	Purina Chicken Fatena Checkers E ...	New Milford: Checkerboard Feed Store	9.56	15.63	14.00	4.31	3.00	3.69	8.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Protein (N x 6.25)		Fat		Fiber	
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than
Ralston-Purina Company,—Cont.								
St. Louis, Mo.								
7776	Purina Complete Sow and Pig Chow E	New Milford: Checkerboard Feed Store	9.89	18.06	16.00	4.02	2.50	4.51 6.00
7593	Purina Cow Chow 14%	New Canaan: Clapboard Hill Feed Co., Inc.	8.59	15.50	14.00	4.46	3.00	6.08 10.00
5094	Purina Cow Chow 16%	Ansonia: A. Hodos and Sons, Inc.	11.59	16.75	16.00	3.47	3.00	8.12 10.00
4935	Purina Cow Chow 18%	New London: New London Grain Co.	12.39	18.19	18.00	3.22	3.00	7.97 10.00
4792	Purina D and F Chow	Norwich: Checkerboard Feed Store	11.92	13.63	12.50	3.88	2.50	8.35 12.00
7591	Purina D and F Chow E	New Canaan: Clapboard Hill Feed Co., Inc.	8.98	13.50	12.50	4.02	2.50	8.85 12.00
7783	Purina Flock Chow E	New Milford: Checkerboard Feed Store	7.92	20.50	18.00	4.44	2.50	5.76 7.00
7737	Purina Fox Chow	New Milford: Checkerboard Feed Store	7.49	24.88	20.00	3.42	3.00	4.56 6.00
7009	Purina Fox Chow (without meat meal)	New Milford: Checkerboard Feed Store	9.49	19.00	14.00	3.69	2.50	4.12 6.00
7785	Purina Game Bird Breeder Layena (complete Ration E)	New Milford: Checkerboard Feed Store	9.07	18.75	16.50	3.71	3.00	5.02 8.00
7014	Purina Game Bird Growena E	Deep River: Deep River Farm Supply	9.22	17.63	20.00	3.59	3.00	4.71 7.00
4779	Purina Game Bird Startena E	Willimantic: Checkerboard Feed Store	11.37	30.31	28.00	3.79	3.50	4.37 7.00
7007	Purina Goat Chow E	New Milford: Checkerboard Feed Store	10.68	17.38	16.00	3.23	3.00	5.93 10.00
4786	Purina Hen Chow	Norwich: Checkerboard Feed Store	13.72	10.19	9.00	2.13	2.00	2.12 5.00

4787	Purina Hog Fatena E	Norwich: Checkerboard Feed Store	11.80	16.69	14.00	3.72	2.50	3.71	7.00
4790	Purina Lay Chow E	Norwich: Checkerboard Feed Store	11.66	23.13	22.00	4.22	2.50	5.01	5.50
4789	Purina Layena (Complete Ration) E ..	Norwich: Checkerboard Feed Store	12.44	15.38	16.00	2.96	2.50	2.82	5.00
7005	Purina Milk Chow E 16%	New Milford: Checkerboard Feed Store	10.68	16.63	16.00	3.41	3.00	6.87	10.00
7912	Purina Mink Chow	Willimantic: Checkerboard Feed Store	8.24	22.19	20.00	3.04	2.00	2.93	5.00
7003	Purina Nursing Chow	New Milford: Checkerboard Feed Store	8.24	28.69	25.00	2.14	2.50	0.27	3.00
4778	Purina Omolene	Willimantic: Checkerboard Feed Store	13.21	11.88	10.00	3.64	3.00	5.45	11.00
7004	Purina Poultry Booster Chow E (Pel- leted)	New Milford: Checkerboard Feed Store	9.94	26.25	24.00	3.31	2.50	5.09	8.00
7592	Purina Rabbit Chow Checkers (20%) ..	New Canaan: Clapboard Hill Feed Co., Inc.	7.75	22.50	20.00	2.36	2.00	13.33	16.00
5095	Purina Rabbit Chow Checkers (20%) ..	Ansonia: A. Hodos & Sons, Inc.	9.69	19.81	20.00	2.38	2.00	13.98	16.00
7322	Purina Rabbit Chow Checkers (Com- plete Ration) E	Windsor: Robbins Grain & Hard- ware, Inc.	6.74	17.06	15.00	3.47	2.00	11.92	18.00
7777	Purina Range Checkers E	New Milford: Checkerboard Feed Store	8.86	23.25	20.00	3.98	2.00	6.70	10.00
7328	Purina Roaster Chow	Hartford: Hartford Poultry Sup- ply	8.00	19.38	17.00	3.24	2.50	4.05	6.50
7782	Purina Turkey Breeder Layena E ...	New Milford: Checkerboard Feed Store	8.36	17.88	16.50	4.82	3.00	5.73	8.00
4793	Purina Turkey Breeder Layena E (Pel- lets)	Norwich: Checkerboard Feed Store	12.42	17.88	16.50	3.86	3.00	4.75	8.00
7013	Purina Turkey Fatena E (Pelleted) ..	Deep River: Deep River Farm Supply	9.30	20.50	15.50	2.94	2.50	4.64	8.00
6989	Purina Turkey Growena E (Pelleted)	Bethel: Marble & Risser	10.59	21.13	20.00	3.21	3.00	4.58	7.00
4794	Purina Turkey Startena E	Norwich: Checkerboard Feed Store	12.14	25.06	28.00	3.84	2.50	5.19	7.00
7959	Faramel Rabbit Food Pellets	Derby: Derby Feed Store	8.38	14.75	13.00	3.59	3.00	16.92	15.00

Reading Milling Co., Inc.,
Reading, Pa.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	more than
Reliable Grain & Fuel Co., Ansonia, Conn.									
7147	Reliable Growing Feed—Cod Liver Oil	Ansonia: Reliable Grain & Fuel Co.	8.10	21.31	15.00	5.07	4.00	5.71	8.00
5090	Reliable Laying Mash—Cod Liver Oil	Ansonia: Reliable Grain & Fuel Co.	9.81	20.19	18.00	4.46	4.00	5.84	8.00
5024	Reliable 16% Protein Dairy Feed . . .	Ansonia: Reliable Grain & Fuel Co.	11.97	14.63	16.00	3.39	3.50	8.75	9.00
Riverside Elevator Co., Detroit, Mich.									
7030	Walker's Stimuflav Corn Dist. Dried Sol- ubles	Norwich: The Yantic Grain & Prod. Co.	6.80	24.06	25.00	7.81	4.00	1.50	1.50
Robin Hood Flour Mills, Ltd., Moose Jaw, Sask., Canada									
5091	Superior Wheat Bran	Ansonia: Reliable Grain & Fuel Co.	11.61	17.13	15.00	4.94	3.50	9.94	11.50
Rohloff Bros., Inc., Graytown, Ohio									
7849	Dehydrated Alfalfa Meal	Norwich: The Yantic Grain & Prod. Co.	5.86	18.75	17.00	2.93	1.75	24.10	27.00
H. M. Rubin Co., Inc., Long Island City, N. Y.									
4815	Steamed Bone Meal	Norwich: The Yantic Grain & Prod. Co.	11.19	3.69	5.00	0.09	0.50	1.59	3.00
4816	Rubco Meat Bone Scrap	Norwich: The Yantic Grain & Prod. Co.	7.16	49.50	50.00	2.48	2.00	2.61	3.00
4843	Rubco Meat Bone Scrap	Guilford: Fred C. Morse & Son	8.07	52.75	55.00	7.07	2.00	1.59	3.00

**Russell-Miller Milling Co.,
Minneapolis, Minn.**

7020	Hard Wheat Occident Bran	Norwich: The A. E. Shedd Co.	9.64	16.25	14.00	5.31	4.00	10.02	11.50
7954	Hard Wheat Occident Flour Middlings	Thomaston: Thomaston Supply Co.	10.92	20.19	15.50	4.76	3.00	3.93	5.00
5106	Hard Wheat Occident Stand. Mid- dlings—Gr. Wheat Scr.	Manchester: Central Comm. Co- Op. Far. Assoc.	11.09	17.06	15.00	5.39	4.00	7.13	9.50

**Saunders Mills, Inc.,
Toledo, Ohio**

5161	Vita Greens Alfalfa Meal Dehydrated 17	Norwich: The Yantic Grain & Prod. Co.	7.41	17.88	17.00	4.00	1.50	19.72	27.00
------	--	---	------	-------	-------	------	------	-------	-------

**Wolf Savitsky & Sons, Inc.,
Shelton, Conn.**

7894	Wolf's Calf Ration	Shelton: Wolf Savitsky & Sons, Inc.	9.09	19.13	18.00	3.81	3.00	6.45	8.50
4622	Wolf's Complete Hi-Eff Egg Breeder Mash	Shelton: Wolf Savitsky & Sons, Inc.	11.12	17.31	15.50	4.17	3.00	3.35	4.50
7138	Wolf's Complete Hi-Eff Growing Mash	Shelton: Wolf Savitsky & Sons, Inc.	9.19	18.75	15.50	3.53	3.00	3.70	4.50
7144	Wolf's Egg Mash	Shelton: Wolf Savitsky & Sons, Inc.	8.75	22.25	20.00	4.34	3.00	5.05	6.00
7892	Wolf's Horse Feed	Shelton: Wolf Savitsky & Sons, Inc.	9.68	12.75	10.00	4.87	3.00	7.07	12.00
7896	Wolf's Performo-Las	Shelton: Wolf Savitsky & Sons, Inc.	8.36	10.56	10.00	2.03	2.00	11.74	16.00
7557	Wolf's Pig & Hog Feed	Newtown: Newtown Farm Supply Co.	9.05	18.25	16.00	3.14	3.00	4.26	6.00
4624	Wolf's Sweetened 14% Dairy Ration ..	Shelton: Wolf Savitsky & Sons, Inc.	12.36	14.63	14.00	3.58	3.50	6.60	9.00
5104	Wolf's Sweetened 16% Dairy Ration ..	Shelton: Wolf Savitsky & Sons, Inc.	11.36	17.44	16.00	3.46	3.00	7.11	10.00
7136	Wolf's Growing Mash	Shelton: Wolf Savitsky & Sons, Inc.	8.73	21.44	20.00	3.52	3.00	4.46	6.00
7893	Wolf's Stock Feed	Shelton: Wolf Savitsky & Sons, Inc.	8.40	14.38	10.00	4.68	2.50	9.91	15.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	
Wolf Savitsky & Sons, Inc.,—Cont. Shelton, Conn.									
4621	Wolf's Sweetened 18% Dairy Ration ..	Shelton: Wolf Savitsky & Sons, Inc.	10.57	18.31	18.00	3.76	3.50	7.93	9.00
7895	Wolf's Sweetened 20% Dairy Ration ..	Shelton: Wolf Savitsky & Sons, Inc.	9.61	18.44	20.00	4.69	3.50	8.68	9.00
Schoeneck Farms, Inc., Nazareth, Pa.									
7528	Schoeneck's Super-Green Dehy. Alfalfa Meal	Pawcatuck: C. W. Campbell Co.	6.86	20.25	17.00	3.46	2.00	21.41	27.00
Sea Board Supply Co., 35th and Grays Ferry Ave., Philadelphia 46, Pa.									
4993	Crab Meal	Canaan: Community Service, Inc.	9.56	26.75	31.00	0.66	1.00	10.56	11.00
7832	Dried Tomato Pomace	Norwich: The Yantic Grain & Products Co.	4.56	20.94	20.00	11.77	10.50	30.27	36.00
Seymour Grain and Coal Co., Seymour, Conn.									
7578	Miracle Dairy Ration	Seymour: Seymour Grain and Coal Co.	7.71	17.38	16.00	4.29	4.00	5.77	9.50
6866	Miracle Fitting Ration	Seymour: Seymour Grain and Coal Co.	9.57	13.50	14.00	4.53	4.00	7.04	9.50
6862	Miracle Grower	Seymour: Seymour Grain and Coal Co.	10.02	21.06	19.00	3.02	4.00	6.23	8.00
7575	Miracle Hog Ration	Seymour: Seymour Grain and Coal Co.	8.37	17.75	16.00	3.39	3.00	4.59	8.00

7580	Miracle Horse Feed	Seymour: Seymour Grain and Coal Co.	8.74	10.31	10.00	3.77	3.50	6.08	9.00
4663	Miracle Mash	Seymour: Seymour Grain and Coal Co.	12.50	20.25	20.00	3.29	4.00	7.15	8.00
7574	Miracle Scratch Feed	Seymour: Seymour Grain and Coal Co.	10.22	10.00	10.00	3.04	2.50	2.68	6.00
6860	Miracle Turkey Grower	Seymour: Seymour Grain and Coal Co.	10.37	22.75	20.00	3.17	4.00	3.89	8.00
4664	New England Mash	Seymour: Seymour Grain and Coal Co.	12.07	21.63	18.00	3.79	4.00	7.35	8.00
7576	See-More Milk Dairy Ration 18%	Seymour: Seymour Grain and Coal Co.	7.87	18.50	18.00	4.04	4.00	6.24	9.50
7579	See-More Milk Dairy Ration 20%	Seymour: Seymour Grain and Coal Co.	8.49	19.81	20.00	4.31	4.00	5.93	9.50
The A. E. Shedd Co., Norwich, Conn.									
5168	Shedd's Dairy Ration	Norwich: The A. E. Shedd Co.	10.86	18.19	16.00	4.48	3.00	6.32	13.00
5167	Shedd's Fitting Ration	Norwich: The A. E. Shedd Co.	11.04	15.31	12.00	4.02	3.00	8.05	13.00
The Sherwin-Williams Co., 101 Prospect Ave. N.W., Cleveland, Ohio									
7521	Sherwin-Williams 34% Linseed Oil Meal	Pawcatuck: C. W. Campbell Co.	7.73	34.38	34.00	3.74	3.50	8.69	9.00
Sherwood Feed Mills, Inc., 501-511 President St., Baltimore 2, Md.									
7911	Brewers Dried Grains	Bridgeport: Brooklawn Grain & Feed Co.	6.14	23.88	26.00	5.49	6.00	9.98	15.00
Allen V. Smith, Inc., Marcellus Falls, N. Y.									
7131	Smith's Barley Feed (Red Tag Brand)	Derby: Derby Feed Store	7.46	13.88	13.00	4.12	2.00	11.30	10.50
Southern Fruit Distributors, Inc., Orlando, Fla.									
4994	Bluebird Citrus Pulp	Canaan: Community Service, Inc.	9.66	7.00	6.00	2.86	3.50	11.68	17.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	
				Found	Found	Found	Found		
South Windsor Grain Co., South Windsor, Conn.									
6904	Valley Laying Mash	South Windsor: South Windsor Grain Co.	8.50	21.38	20.00	4.51	4.00	6.50	8.50
Spertic Foods, Inc., Hoboken, N. J.									
5109	Sperti Dried Brewery Yeast Type #1	Manchester: Central Conn. Co- Op. Farm. Assn., Inc.	9.04	51.25	46.70	0.63	0.50	4.10	3.20
A. E. Staley Manufacturing Co., Decatur, Ill.									
4983	Staley's Corn Gluten Feed	Plantville: C. A. Cowles, Inc. ...	10.25	25.19	23.00	2.38	1.50	5.14	8.00
5105	Staley's 44% Protein Solvent Extracted Soybean Oil Meal	Manchester: Central Conn. Co- Op. Farm. Assoc., Inc.	11.67	46.88	44.00	0.89	0.50	6.71	7.00
D. A. Stickell & Sons, Inc., Hagerstown, Md.									
4662	Su-Pur Rabbit Pellets	Seymour: Seymour Grain & Coal Co.	11.65	17.63	17.00	3.29	3.00	8.19	8.50
4665	Zip Egg Mash Pellets—Cod Liver Oil	Seymour: Seymour Grain & Coal Co.	11.56	19.69	18.00	3.43	3.00	5.58	6.00
Sunny Slope Farms, Inc., Nazareth, Pa.									
4846	Sunny Slope Farms Dehydrated Alfalfa Meal	Guilford: Fred C. Morse & Son	7.31	17.38	17.00	2.46	2.00	23.28	27.00

**Swift & Co.,
Fostoria, Ill.**

4618 Swifts 44% Protein Solvent Extracted
Soybean Oil Meal

Derby: Derby Feed Store 11.94 46.75 44.00 0.44 0.50 4.85 7.00

**Thomaston Supply Co., Inc.,
Thomaston, Conn.**

7059 Thomaston 16% Dairy Ration

Thomaston: Thomaston Supply
Co., Inc. 9.06 17.56 16.00 4.04 4.00 6.34 9.00

4637 Thomaston Dairy Ration

Thomaston: Thomaston Supply
Co., Inc. 12.24 20.00 18.00 3.88 4.00 6.52 9.00

7060 Thomaston Dry Stock Feed

Thomaston: Thomaston Supply
Co., Inc. 9.29 13.69 12.00 3.93 3.00 6.55 9.00

7057 Thomaston Egg Mash

Thomaston: Thomaston Supply
Co., Inc. 8.59 22.25 20.00 3.94 4.00 6.38 8.00

7056 Thomaston Growing Mash

Thomaston: Thomaston Supply
Co., Inc. 9.12 20.56 20.00 3.99 3.50 5.93 6.00

4639 Thomaston Starter and Broiler Mash

Thomaston: Thomaston Supply
Co., Inc. 11.90 21.06 20.00 3.91 4.00 4.28 4.50

**Toledo Soybean Products Co.,
Toledo, Ohio**

5002 Expeller Super Duo Soybean Oil Meal

Canaan: Community Service, Inc. 12.65 42.50 43.00 3.93 3.50 5.16 7.00

**United Co-Operative Farmers, Inc.,
Fitchburg, Mass.**

7272 UCF All Mash Grower and Layer ...

Moosup: United Co-Op Far., Inc. 9.91 17.63 15.00 3.91 2.50 4.14 5.50

7273 UCF Breeder

Moosup: United Co-Op Far., Inc. 9.81 21.88 20.00 4.40 2.50 4.30 5.00

7637 UCF Broiler Mash

Danielson: United Co-Op. Far.
Inc. 8.51 22.06 20.00 3.76 2.50 2.95 4.00

7640 UCF Calf Meal

Danielson: United Co-Op. Far.
Inc. 6.87 30.94 25.00 1.98 1.00 0.99 2.00

7275 UCF Calf Starter

Moosup: United Co-Op Far., Inc. 10.14 26.50 20.00 3.09 3.00 4.73 6.00

7271 UCF 16% Dairy

Moosup: United Co-Op Far., Inc. 8.84 18.25 16.00 4.69 3.50 7.93 9.00

7638 UCF Fitting Ration

Danielson: United Co-Op. Far.
Inc. 8.51 15.63 14.00 4.91 3.00 6.92 10.00

4732 UCF Grower

Danielson: United Co-Op. Far.
Inc. 11.73 19.56 19.00 4.14 3.00 4.06 6.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not	Guaran- teed not	Guaran- teed not	Found	Guaran- teed not	
				less than	less than	less than	Found	more than	
United Co-Operative Farmers, Inc.,—Cont. Fitchburg, Mass.									
4731	UCF Layer	Danielson: United Co-Op. Far. Inc.	11.33	22.50	20.00	3.76	3.00	4.46	6.00
6855	UCF Layer	Brooklyn: Thure Oja	8.50	20.31	20.00	3.74	2.50	4.05	5.50
7250	UCF Milkmaker	Moosup: United Co-Op Far., Inc.	8.84	18.06	18.00	3.68	3.50	7.71	9.00
7641	UCF Pig and Hog Feed	Danielson: United Co-Op. Far. Inc.	8.63	21.13	20.00	3.16	3.00	5.85	7.00
7639	UCF Poultry Fattening Ration	Danielson: United Co-Op. Far. Inc.	8.24	16.38	15.00	4.41	3.50	4.33	6.00
4733	UCF Starter	Danielson: United Co-Op. Far. Inc.	11.44	20.69	20.00	3.89	3.00	3.79	5.00
4764	UCF Stock Feed	Danielson: United Co-Op. Far. Inc.	10.15	10.13	9.00	3.32	3.00	13.65	15.00
7274	UCF Super Starter	Moosup: United Co-Op Far., Inc.	10.19	21.25	20.00	4.67	2.50	3.16	4.00
7636	UCF Turkey Grower and Fattener	Danielson: United Co-Op. Far. Inc.	8.73	21.75	20.00	3.46	3.00	3.35	6.00
Unity Feeds, Inc., Boston, Mass.									
6906	Paycheck 18% Dairy Ration	South Windsor: South Windsor Grain Co.	8.74	17.50	18.00	3.51	3.50	8.55	11.00
4772	Unity Breeder Mash	Putnam: Putnam Farmers Co-Op. Assn., Inc.	11.46	21.75	20.00	3.78	3.00	5.30	6.00
6811	Unity Chick Scratch Feed	Fairfield: Fairfield Grain and Seed Co.	11.67	11.50	10.00	6.02	2.50	1.45	3.00
6905	Unity Complete Growing Mash	South Windsor: South Windsor Grain Co.	9.06	16.75	15.00	3.96	3.00	4.73	7.00

7286	Unity Complete Market Egg Mash ...	Thompsonville: John Williams Hatchery	8.35	17.75	15.00	3.79	3.00	4.85	6.00
6934	Unity Complete Rabbit Pellets	West Willington: Hansen's Store	9.72	17.69	16.00	3.55	3.00	6.42	20.00
6933	Unity Dairy Fitting Ration	West Willington: Hansen's Store	9.58	15.63	14.00	3.88	3.50	6.81	8.00
7699	Unity 16% Dairy Ration	Putnam: Putnam Farmers Co-Op. Assn., Inc.	7.39	19.25	16.00	5.41	3.50	7.11	9.00
7697	Unity 18% Dairy Ration	Putnam: Putnam Farmers Co-Op. Assn., Inc.	7.51	20.88	18.00	5.11	3.50	7.05	9.00
7704	Unity High Energy Breeder	Putnam: Putnam Farmers Co-Op. Assn., Inc.	8.49	18.19	16.00	2.89	3.00	3.77	4.00
7703	Unity High Energy Laying Mash (A complete ration)	Putnam: Putnam Farmers Co-Op. Assn., Inc.	8.89	17.06	15.00	5.04	3.00	3.92	4.50
6809	Unity Growing Mash	Fairfield: Fairfield Grain and Seed Co.	10.84	20.94	18.00	3.91	3.00	5.01	7.00
6810	Unity Horse Feed	Fairfield: Fairfield Grain and Seed Co.	12.04	10.75	10.00	3.38	3.00	7.48	9.00
6807	Unity Laying Mash	Fairfield: Fairfield Grain and Seed Co.	10.11	22.00	20.00	4.46	3.00	5.59	7.00
6955	Unity Pig and Hog Ration	West Willington: Hansen's Store	9.88	19.25	17.00	3.47	3.00	4.75	6.00
7705	Unity Poultry Fitting Ration	Putnam: Putnam Farmers Co-Op. Assn., Inc.	8.92	16.81	12.00	2.14	3.00	4.82	8.00
4769	Unity Royal 16% Dairy Ration	Putnam: Putnam Farmers Co-Op. Assn., Inc.	12.67	20.75	16.00	3.08	3.00	6.14	9.00
4770	Unity Royal 18% Dairy Ration	Putnam: Putnam Farmers Co-Op. Assn., Inc.	12.41	22.06	18.00	2.78	3.00	5.99	9.00
7314	Unity Scratch Feed	Thompsonville: John Williams Hatchery	10.82	10.06	10.00	2.91	2.50	2.57	5.00
7698	Unity Stock Feed	Putnam: Putnam Farmers Co-Op. Assn., Inc.	8.26	12.69	8.50	5.31	4.00	5.49	12.00
7315	Unity Super-Gro Ration	Thompsonville: John Williams Hatchery	9.27	18.94	17.00	4.41	2.50	3.61	3.50
7282	Unity Super Ration	Thompsonville: John Williams Hatchery	8.32	23.56	20.00	3.51	3.00	3.66	3.50
6953	Unity Tri-Way Mash	West Willington: Hansen's Store	9.28	21.38	20.00	4.11	3.00	4.29	6.00
7706	Unity Turkey Finishing Pellets	Putnam: Putnam Farmers Co-Op. Assn., Inc.	8.21	18.75	16.00	4.14	3.00	4.53	7.00
6907	Unity Turkey and Game Bird Growing Mash (Pelleted)	South Windsor: South Windsor Grain Co.	8.92	20.75	20.00	3.83	3.00	3.50	5.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Protein (N x 6.25)		Fat		Fiber	
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than
7565	Valier and Spies Milling Co., St. Louis, Mo. Valier's Wheat Bran	Stepney: Wirthmore Grain & Coal Co.	9.77	16.94	14.50	5.29	3.50	7.62 10.50
4825	Victory Mills, Ltd., Toronto, Canada Soybean Oil Meal	Manchester: Central Conn. Co- Op. Farmers Assn., Inc.	11.10	46.69	44.00	1.23	0.50	5.04 7.00
7052	The Watertown Co-Op. Ass'n., Inc., Watertown, Conn. Storrs' Formula Calf Ration	Watertown: The Watertown Co- Op. Ass'n., Inc.	10.47	15.13	14.00	3.57	4.00	6.75 9.00
7053	Storrs' 16% Pasture Ration	Watertown: The Watertown Co- Op. Ass'n., Inc.	9.00	18.19	16.00	5.56	4.00	6.44 9.00
7054	Storrs' Standard 20% Dairy Ration ..	Watertown: The Watertown Co- Op. Ass'n., Inc.	8.94	21.19	20.00	4.41	4.00	6.32 9.00
4643	Watertown Co-Op. Broiler Mash	Watertown: The Watertown Co- Op. Ass'n., Inc.	12.49	23.69	20.00	3.41	4.00	3.77 6.00
4641	Watertown Co-Op. Growing Mash ...	Watertown: The Watertown Co- Op. Ass'n., Inc.	11.92	20.25	18.00	4.89	4.00	5.82 7.00
4642	Watertown Co-Op. Laying Mash	Watertown: The Watertown Co- Op. Ass'n., Inc.	11.64	23.38	20.00	4.23	4.00	6.06 7.00
7955	Watertown Co-Op. Starter Mash	Watertown: The Watertown Co- Op. Ass'n., Inc.	8.96	23.38	20.00	4.41	4.00	3.78 5.00
5179	H. K. Webster Company, Lawrence, Mass. Blue Seal Breeder's Mash	Jewett City: Jewett City Farmers Co-Op.	11.60	21.56	20.00	5.00	3.50	5.28 7.00

7515	Blue Seal Calf Starter	Old Mystic: James Baker	9.62	17.19	19.00	3.96	3.50	5.77	7.50
4839	Blue Seal Chick Feed	Branford: S. V. Osborn, Est. ..	14.11	10.38	10.00	1.98	2.50	1.24	4.00
7658	Blue Seal Coarse "20" Dairy Ration ..	Cromwell: F. I. Nordgren	8.96	21.63	20.00	3.77	3.50	7.28	9.00
5149	Blue Seal "32" Dairy Concentrate ..	South Coventry: E. W. Latimer ..	10.16	32.25	32.00	3.47	3.50	7.26	8.00
4727	Blue Seal "16" Dairy Ration (Coarse)	Brooklyn: A. D. Pierce	11.84	16.38	16.00	3.96	3.50	7.52	9.00
7901	Blue Seal Economizer "16" Dairy Ra- tion	South Norwalk: The Roodner Feed Co., Inc.	7.47	19.50	16.00	3.09	3.00	11.76	15.00
6795	Blue Seal Egg Mash	Colchester: Einhorn's Grain Store ..	9.55	20.81	20.00	4.18	3.50	6.08	7.00
7818	Blue Seal Fattening Pellets	Canaan: Community Service, Inc. ..	8.64	17.44	14.00	4.32	3.50	4.97	6.50
7723	Blue Seal Fine "16" Dairy Ration ..	Meriden: Reliable Grain & Feed Store	8.23	18.13	16.00	4.64	3.50	6.89	9.00
7733	Blue Seal Fine "20" Dairy Ration	Danbury: Barnum Feed Store ..	8.17	21.88	20.00	4.04	3.50	6.77	9.00
4728	Blue Seal Fitting Ration—Vit. D Yeast	Brooklyn: A. D. Pierce	13.07	15.19	14.00	4.22	3.50	7.64	9.00
5178	Blue Seal Goat Feed	Jewett City: Jewett City Farmers Co-Op.	11.76	17.25	16.00	4.04	3.50	6.57	9.00
7734	Blue Seal Growing Mash	Danbury: Barnum Feed Store ..	8.19	20.81	18.00	4.89	3.50	6.54	7.00
4996	Blue Seal Horse Feed	Canaan: Community Service, Inc. ..	13.46	13.31	10.00	3.18	3.00	4.78	9.00
7725	Blue Seal Pig Feed	Meriden: Reliable Grain & Feed Store	9.54	16.13	15.00	4.81	3.00	4.23	6.00
7279	Blue Seal Poultry and Turkey Fitting	Brooklyn: A. D. Pierce	8.47	14.13	12.00	2.93	2.50	4.09	6.00
7724	Blue Seal Rabbit Pellets	Meriden: Reliable Grain & Feed Store	8.13	21.56	20.00	4.28	3.00	8.15	12.00
5148	Blue Seal Succulent Feed & Calving Ration	South Coventry: E. W. Latimer ..	10.46	15.63	12.00	2.38	1.50	9.09	18.00
7889	Blue Seal Super All Mash Breeder's Ration	Colchester: Einhorn's Grain Store ..	9.66	18.94	16.00	4.46	3.50	3.43	4.00
7278	Blue Seal Super All Mash Egg Ration (Pelleted)	Brooklyn: A. D. Pierce	8.71	18.94	16.00	3.13	3.00	3.47	4.00
6794	Blue Seal Super All-Mash Growing Ra- tion	Colchester: Einhorn's Grain Store ..	10.31	16.06	16.00	3.68	3.00	3.39	4.00
4971	Blue Seal Super Mash	Meriden: Reliable Grain & Feed Store	11.90	21.75	20.00	4.07	3.50	3.47	4.00
6796	Blue Seal Super Starter and Broiler ..	Colchester: Einhorn's Grain Store ..	9.83	21.56	20.00	4.56	3.00	3.51	4.00
4995	Blue Seal Test Ration	Canaan: Community Service, Inc. ..	12.75	19.00	18.00	3.63	3.50	6.49	9.00
7735	Blue Seal Turkey Growing (Pellets) ..	Danbury: Barnum Feed Store ..	8.49	18.69	20.00	4.22	3.50	6.30	7.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953--Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Moist- ure	Protein (N x 6.25)		Fat		Fiber	
				Guaran- teed not less than	Found	Guaran- teed not less than	Found		
West-Nesbitt, Inc., Oneonta, N. Y.									
7236	Pure Feed Calf Grower	Bristol: Farmers Feed and Sup- ply Co.	9.54	24.56	20.00	3.51	3.50	6.90	8.50
7949	Pure Feed Calf Meal	Bristol: Farmers Feed and Sup- ply Co.	8.08	24.50	22.00	4.52	4.00	6.13	7.50
4730	Pure Feed Chick Grains	Brooklyn: A. D. Pierce	12.96	9.88	9.00	2.88	2.50	0.99	3.00
7237	Pure Feed Complete Rabbit Pellets	Bristol: Farmers Feed and Sup- ply Co.	10.49	18.75	16.00	3.16	3.00	10.24	15.00
7238	Pure Feed Conn. Broiler Ration	Bristol: Farmers Feed and Sup- ply Co.	10.55	22.38	20.00	4.68	4.00	3.31	3.50
4718	Pure Feed 16% Dairy Ration	Wallingford: L. and H Feed Co.	12.39	18.75	16.00	3.14	3.50	7.01	10.00
7948	Pure Feed 20% Dairy Ration	Bristol: Farmers Feed and Sup- ply Co.	7.83	21.88	20.00	3.59	3.50	7.03	10.00
7681	Pure Feed Dairy-Test Ration	Mansfield Depot: G. Merritt Thompson	6.51	20.25	18.00	4.23	3.50	7.18	8.50
7169	Pure Feed Egg and Breeder Mash	Southington: Louis Perillo Coal Co.	9.39	21.44	20.00	3.43	3.00	5.85	7.50
4719	Pure Feed Egg Maker	Wallingford: L. and H Feed Co.	11.69	21.88	20.00	3.58	3.00	6.25	7.50
7172	Pure Feed 14% Fitting Ration	Southington: Louis Perillo Coal Co.	8.69	16.19	14.00	4.71	4.00	6.02	8.50
7682	Pure Feed Growing Mash	Mansfield Depot: G. Merritt Thompson	6.06	18.75	16.00	4.66	3.00	5.70	8.00
4675	Pure Feed High Energy Layer	Wallingford: L. and H Feed Co.	12.37	20.31	16.00	4.19	4.00	4.20	5.00
7242	Pure Feed Horse Ration	Bristol: Farmers Feed and Sup- ply Co.	9.90	11.75	9.00	3.59	3.00	8.40	11.00
7170	Pure Feed Starting Mash	Southington: Louis Perillo Coal Co.	9.05	21.88	20.00	4.49	3.00	5.39	6.00

7171	Pure Feed Swine Ration	Southington: Louis Perillo Coal Co.	8.64	21.00	18.00	3.79	3.00	6.09	7.00
7239	Pure Feed Turkey Finisher	Bristol: Farmers Feed and Supply Co.	9.57	18.00	16.00	3.68	3.00	5.97	8.50
7241	Pure Feed Turkey Grower (Pelleted)	Bristol: Farmers Feed and Supply Co.	9.40	21.88	20.00	4.29	3.00	5.95	7.50
Western Condensing Co., Appleton, Wisc.									
7917	Peebles' M-N-C	Manchester: Central Conn. Co-Op. Far. Assoc.	8.31	16.63	14.00	1.04	1.00	0.16	0.00
7957	Peebles' Calf-Kit	Woodbury: C. L. Adams Co. . .	8.40	17.25	17.00	0.84	1.00	0.24	0.40
A. C. Wetherell, Suffield, Conn.									
7318	Special Dairy Mixture No. 3	Suffield: A. C. Wetherell	8.50	18.75	16.00	3.86	3.50	7.85	9.00
Whitmoyer Laboratories, Inc., Myerstown, Pa.									
7061	Clo-Meal	Thomaston: Thomaston Supply Co.	8.32	44.88	40.00	18.22	10.00	1.25	3.75
4725	Whitmoyer Quality Fish Meal	Middletown: Meech & Stoddard, Inc.	7.52	55.75	55.00	10.67	7.00	0.85	3.00
7198	Whitmoyer Quality Fish Meal	Middletown: Meech & Stoddard, Inc.	6.16	63.75	60.00	8.54	7.00	0.63	3.00
Wilkins-Rogers Milling Co., Washington 7, D. C.									
6910	Washington Growing Mash	Hartford: D. Rudin, Inc.	8.99	19.69	20.00	4.49	3.00	4.95	8.00
7339	Washington Horse Feed	Hartford: D. Rudin, Inc.	8.86	10.25	9.00	3.56	2.50	6.71	12.00
6908	Washington Laying Mash	Hartford: D. Rudin, Inc.	8.65	21.88	20.00	4.18	3.00	5.11	8.00
6909	Washington Scratch Feed	Hartford: D. Rudin, Inc.	10.46	10.50	10.00	3.31	2.50	3.09	4.00
Winter Garden Citrus Products Co-Operative, Winter Garden, Fla.									
5169	Wholesun Dried Citrus Pulp	Norwich: The A. E. Shedd Co. .	8.87	7.63	5.00	4.68	2.50	9.37	16.00

5012	Big Y Hi-Efficiency Laying Mash	Torrington: Torrington Big Y Feed Co.	12.46	15.50	15.00	3.79	3.00	3.52	5.00
7029	Big Y High Efficiency Range-Grower	Norwich: The Yantic Grain & Prod. Co.	9.56	18.94	15.00	3.53	3.00	4.75	5.00
7673	Big Y Hi-G Dairy	Abington: Abington Grain Co.	7.00	22.50	16.00	3.54	3.00	9.50	14.00
7011	Big Y Hi-G Scratch Feed	Danbury: Big Y Feed Co.	12.01	11.00	10.00	2.53	2.00	3.69	5.00
7191	Big Y Hog & Pig Ration	Willimantic: Boston Grain Co.	8.34	18.94	17.00	3.73	3.50	6.36	8.00
7193	Big Y Horse Feed	Willimantic: Boston Grain Co.	9.48	11.44	9.00	3.94	2.00	5.77	9.00
7562	Big Y Improved Broiler Finisher (Pelleted)	Stepney: Big Y Feed Store	9.09	17.00	16.00	3.73	3.00	3.35	4.00
7568	Big Y Improved Broiler & Starter Ration	Union City: Naugatuck Grain Co.	9.11	23.13	22.00	3.92	3.00	3.26	4.00
7839	Big Y Inter-Gro Ration	Norwich: The Yantic Grain & Prod. Co.	8.14	19.94	18.00	4.28	3.00	4.76	6.00
7674	Big Y Intermediate Chick Grains	Abington: Abington Grain Co.	8.69	10.75	10.00	3.57	2.50	1.57	5.00
4869	Big Y 20% Laying Mash	Simsbury: Big Y Feed Co.	11.17	21.56	20.00	3.31	3.00	6.19	7.00
7016	Big Y M & O Growing Feed	East Haddam: East Haddam Grain Co.	8.97	19.50	18.00	3.22	3.00	5.04	6.00
7831	Big Y M & O Laying Mash	Norwich: The Yantic Grain & Prod. Co.	7.81	21.50	18.00	4.29	3.00	5.56	7.00
7692	Big Y Meat Pullet & Capon Ration ..	Putnam: Putnam Grain Co.	8.59	21.06	20.00	3.61	3.00	4.16	5.00
7630	Big Y Poultry Fitting Ration	Moosup: Moosup Grain Co.	9.89	11.06	10.00	3.07	3.00	4.09	8.00
7834	Big Y Purity Dairy Ration (Coarse) ..	Norwich: The Yantic Grain & Prod. Co.	8.36	19.88	16.00	4.24	3.50	8.47	9.00
4820	Big Y Rabbit Pellets	Norwich: The Yantic Grain & Prod. Co.	11.67	22.63	16.00	4.57	3.00	8.25	9.00
7010	Big Y Scratch Feed	Danbury: Big Y Feed Co.	12.07	9.75	9.00	2.59	2.00	3.35	5.00
7835	Big Y Sheep & Goat Feed	Norwich: The Yantic Grain & Prod. Co.	8.11	18.19	16.00	3.89	3.50	7.28	8.50
7828	Big Y Station Fattener Pellets	Norwich: The Yantic Grain & Prod. Co.	8.63	14.88	12.00	3.76	3.50	5.42	6.00
5160	Big Y Stock Feed	Norwich: The Yantic Grain & Prod. Co.	9.91	13.81	9.00	5.22	2.50	9.09	15.00
4866	Big Y Super Starter-Broiler Ration ..	Mt. Carmel: Hamden Grain Co.	12.76	20.50	20.00	3.78	3.00	3.97	4.00
7027	Big Y Test Cow Ration	Norwich: The Yantic Grain & Prod. Co.	9.96	18.75	16.00	4.19	3.00	6.05	8.50
4868	Big Y Turkey Breeder Mash	Mt. Carmel: Hamden Grain Co.	11.87	21.88	20.00	3.33	3.00	6.93	8.00
4871	Big Y Turkey Fattener	Norwich: The Yantic Grain & Prod. Co.	12.84	19.56	17.00	4.04	3.50	5.69	7.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1953—Concluded

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not less than	
				Found	Found	Found	Found		
Yantic Grain & Prod. Co.,—Cont.									
Norwich, Conn.									
4870	Big Y Turkey Growing Feed	Norwich: The Yantic Grain & Prod. Co.	13.07	21.44	22.00	3.67	3.00	4.84	6.50
7050	Big Y Turkey Starter & Game Bird Feed	Norwich: The Yantic Grain & Prod. Co.	10.66	28.38	28.00	3.42	3.00	3.62	5.00
4817	Improved Al-Mo	Norwich: The Yantic Grain & Prod. Co.	12.39	14.00	10.00	2.74	1.50	11.73	20.00
Yieldmor Feeds, Inc.,									
Piqua, Ohio									
6872	David Small Fleshing Pellets	East Hartford: David Small	9.49	15.81	14.00	3.87	3.00	3.37	5.00
6871	David Small's Hi-Energy Broiler Ration	East Hartford: David Small	10.37	22.06	20.00	3.53	3.00	3.33	4.50

TABLE 2. VITAMIN D CARRIERS

Manufacturer	Brand name	Guaranteed, International Units per pound	Place, date of sampling and control number	Number of samples used	Satisfactory	Passed	Below guaranty
Consolidated Products Co., Danville, Ill.	Semi-Solid "E" Emulsion	3,600	Willimantic, 11/18, 82653, 245	1	1	....	....
Dawe's Products Co., Chicago, Ill.	Fixtdee Flavonne Ribo-D	681,000 18,160	Manchester, 2/9, 1681 Middletown, 2/4, 298338, 298556, 298561, 298585, 298617; 4/20, 304044, 304078, 304264; 10/21, 4901, 4906, 5049, 5067; Guilford, 8/12, 312303, 312327, 312341, 312344 ..	1	....	1	....
Deep Sea Products, Inc., South Portland, Maine	Sea Rich Vitamin A & D Feeding Oil	102,000	Norwich, 11/16, 12	1	1	....	....
E. F. Drew & Co., Inc., Boonton, N. J.	Vitand 300D-2250A	136,200	Pawcatuck, 4/21, Lot 4/10; 10/8, none	2	2	....	....
E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.	Du Pont Delsterol 1500 D Du Pont Delsterol 3000 D	681,000 1,362,000	Derby, 2/2, none, 4/27, none, 8/12, none, 11/20, none .. Norwich, 2/6, none, 3/11, none, 8/6, none, 11/5, none	4 4	4 4	........	........

Analyses

TABLE 2. VITAMIN D CARRIERS—Continued

Manufacturer	Brand name	Guaranteed, International Units per pound	Place, date of sampling and control number	Number of samples used	Satisfactory	Passed	Below guaranty
Eastern States Farmers' Exchange, Inc., West Springfield, Mass.	Calf Tablets	400 ¹	Torrington, 11/6, none	1	1	....	..
	Vitamin A & D Feeding Oil	136,000	North Haven, 2/4, FO12523; Torrington, 3/5, FO1532; Norwich, 8/6, FO6531; 11/16, FO8534	4	4	....	...
The Fox Co., Newfield, N. J.	Foxco Dependable Dry D ³ 1500 D	681,000	Seymour, 4/27, 121652	1	1	....	....
	Foxco Qualadee A & D Feeding Oil	136,200	Derby, 2/2, 82652; 3/9, 82652; Watertown, 4/27, 11653; 8/10, 7253; New Haven, 9/2, 3253; Thomas- ton, 11/19, 92653	6	6	....	....
			Seymour, 7/24, 41453	1	1	....	....
Gorton-Pew Fisheries Co., Ltd., Gloucester, Mass.	Foxco Qualadee Dry A & D	136,000	Seymour, 4/27, 102352	1	1	....	....
	Gorton's Al-Blend "Junior"	6,000	Wallingford, 2/4, none	1	1	....	....
	Gorton's Al-Blend "Senior"	12,000	Canaan, 3/5, none; 11/4, none	2	2	....	....
	Gorton's Vitamin A & D Feeding Oil	136,200	Colchester, 11/16, Test No. 1-F-1-J	1	1	....	....

¹U.S.P. units per tablet; assayed by feeding to rats.

Marden-Wild Corp., Somerville, Mass.	Marden's Poultry Feeding Cod Liver Oil	136,200	North Franklin, 2/6, 402-323; 7/22, 425-336	2	....	....
	Marden's Vitamin A & D Feed Oil	136,200	Storrs, 2/5, none; Dayville, 10/29, 435-343	2	....	....
McKesson & Robbins, Inc., New York, N. Y.	Peder Devold Cod Liver Oil U.S.P. Destearinated	100 ²	Norwalk, 10/16, 1M-167 ..	1	....	....
Merchants Creamery Co., Cincinnati, Ohio	Blue Ribbon "E" Mulsion	2,700	Jewett City, 3/11, 6-365	1	....	1
Nopco Chemical Co., Harrison, N. J.	Nopco Custom Mix Super	148,000	Norwich, 3/11, none	1	....	....
	Nopco 300 Vitamin A & D Feed- ing Oil	136,200	Watertown, 2/3, A1618; Brooklyn, 4/28, A1635	2	....	....
	Nopdex "1500"	680,400	Manchester, 4/28, ACB973	1	....	....
	Nopdex "3000"	1,360,800	Norwich, 2/6, none; 8/6, none; 11/5, none	3	....	....
Silmo Chemical Corp., Vineland, N. J.	Silmo 300 Vitamin A & D Feed- ing Oil	136,200	Derby, 4/27, 32DA89; 8/12, 32DA99	2	....	....
	Silmo Vit-Ad-1500	136,200	Seymour, 2/3, 224; 4/27, 2567; 11/20, 230	3	1	....
	Silmo Vit-D-1500	681,000	Manchester, 3/10, 2055; 4/28, 055	2	....	....
	Silmo XX Vitamin A & D Feed- ing Oil	136,200	Shelton, 4/27, 33DA92; 8/12, 33DA2; 11/17, 33DA94 ..	3	....	....
	Vit-D-150	51,150,000	Manchester, 11/18, none ..	1	....	....
Specifide, Inc., Indianapolis, Ind.	Specifide's D ₃ Source	675,000	Pawcatuck, 2/19, 95237 ...	1	....	....

²U.S.P. units per gram; assayed by feeding to rats.

TABLE 2. VITAMIN D CARRIERS—Concluded

Manufacturer	Brand name	Guaranteed, International Units per pound	Place, date of sampling and control number	Number of samples used	Satisfactory	Passed	Below guaranty
Whitmoyer Laboratories, Inc., Myerstown, Pa.	Dri-Col 1500-D	681,000	Bridgeport, 2/2, 112152; Pawcatuck, 4/21, 13053; 10/8, 42153; Bridgeport, 11/17, 81453	4	4	...	...
	Whitcod Pure U.S.P. Cod Liver Oil	68,000	Danielson, 2/5, 12453; Put- nam, 4/28, 11452; Moosup, 9/2, 2953; Danielson, 10/20, 71453	4	4	...	...
	Whitmoyer 85D	38,500	Ansonia, 3/9, 11653, Ser. DYN	1	1	...	...
	Whitmoyer 300-D 3000-A Quality Vitamin A & D Feeding Oil ..	136,200	Thomaston, 8/10, 71553 ..	1	1	...	...

TABLE 3. ANALYSES OF SULFAQUINOXALINE FEEDS, 1953

No.	Manufacturer and brand	Retail dealer	Sulfaquinoxaline, per cent	
			Guaranteed	Found
Chas. M. Cox Co., Boston, Mass.				
W.S.-329	Wirthmore Sulfaquinoxaline Mixture Incorporated in Poultry Mash Base	Noroton: Davis Grain Co.	0.100	0.088
W.S.-356	Same Brand	Danbury: Benjamin Grain Co.	0.100	0.100
W.S.-339	Wirthmore Sulfaquinoxaline Mixture in Wirthmore Chick Starter	Branford: Osborn Grain Co.	0.0125	0.0168
W.S.-325	Wirthmore Sulfaquinoxaline Mixture in Wirthmore Complete Chick Starter	New Haven: R. G. Davis & Sons	0.0125	0.0158
W.S.-334	Same Brand	Milford: Milford Grain Co.	0.0125	0.0130
W.S.-347	Same Brand	Stepney: Wirthmore Grain Store	0.0125	0.0140
W.S.-353	Same Brand	Danbury: Benjamin Grain Co.	0.0125	0.0142
W.S.-361	Same Brand	Middlefield: Middlefield Grain Co.	0.0125	0.0130
W.S.-328	Wirthmore Sulfaquinoxaline Mixture in Wirthmore Complete Growing Ration	Noroton: Davis Grain Co.	0.0125	0.0130
W.S.-335	Same Brand	Milford: Milford Grain Co.	0.0125	0.0131
W.S.-324	Wirthmore Sulfaquinoxaline Mixture in Wirthmore Improved Hi-Ener-G Starter & Broiler Ration	New Haven: R. G. Davis & Sons	0.0175	0.0202
W.S.-333	Same Brand	Meriden: Grulich Grain Co.	0.0175	0.0173
W.S.-338	Same Brand	Branford: Osborn Grain Co.	0.0175	0.0183
W.S.-340	Same Brand	Branford: Osborn Grain Co.	0.0175	0.0180
W.S.-346	Same Brand	Stepney: Wirthmore Grain Store	0.0175	0.0169
W.S.-354	Same Brand	Danbury: Benjamin Grain Co.	0.0175	0.0169
W.S.-360	Same Brand	Middlefield: Middlefield Grain Co.	0.0175	0.0179
W.S.-327	Wirthmore Sulfaquinoxaline Mixture in Wirthmore Turkey Starter Ration	Noroton: Davis Grain Co.	0.0175	0.0155
W.S.-345	Same Brand	Stepney: Wirthmore Grain Store	0.0175	0.0190
W.S.-355	Same Brand	Danbury: Benjamin Grain Co.	0.0175	0.0171
Derby Feed Store, Derby, Conn.				
W.S.-366	Litsky Sulfaquinoxaline Starter & Broiler	Derby: Derby Feed Store	0.01875	0.0137

TABLE 3. ANALYSES OF SULFAQUINOXALINE FEEDS, 1953—Concluded

No.	Manufacturer and brand	Retail dealer	Sulfaquinoxaline, per cent	
			Guaranteed	Found
John W. Eshelman & Sons, Lancaster, Pa.				
W.S.-320	Eshelman's Sulfaquinoxaline Mixture in Red Rose Starter & Grower	Cos Cob: Belmont Feed Co.	0.0125	0.0134
D. H. Grandin Milling Co., Jamestown, N. Y.				
4075	Sulfaquinoxaline Incorporated in Grandin's Super Starter & Broiler Ration	Willimantic: Russell J. Wilson	0.0175	0.0154
4076	Same Brand	Willimantic: Russell J. Wilson	0.0175	0.0143
Meech & Stoddard, Inc., Middletown, Conn.				
W.S.-364	Special Balance Sulfaquinoxaline Mixture with High Efficiency Starter & Broiler	Middletown: Meech & Stoddard, Inc.	0.0125	0.0160
W.S.-365	Special Balance Sulfaquinoxaline Mixture with Starting Mash	Middletown: Meech & Stoddard, Inc.	0.0125	0.0141
Geo. Q. Moon & Co., Inc., Binghamton, N. Y.				
W.S.-404	Moon Feeds Moon Sulfaquinoxaline Mixture Incorporated in Moon Starter Mash	Central Village: Central Grain Co.	0.0125	0.0123
W.S.-409	Same Brand	Central Village: Central Grain Co.	0.0125	0.0090
W.S.-410	Same Brand	Central Village: Central Grain Co.	0.0125	0.0093
W.S.-411	Same Brand	Central Village: Central Grain Co.	0.0125	0.0093
W.S.-412	Same Brand	Central Village: Central Grain Co.	0.0125	0.0094
The Park & Pollard Co., Buffalo, N. Y.				
W.S.-322	Park & Pollard Sulfaquinoxaline Hi-Prime Turkey Starter	Waterbury: Spencer Grain Co.	0.0175	0.0183

**Ralston Purina Co.,
St. Louis, Mo.**

3945	3-Nitro-4-Hydroxyphenylarsonic Acid and Sulfaquin-oxaline in Purina Broiler Chow Finisher E . . .	Norwich: Julius Rytman	0.0125	0.0149 ¹
J.S.-263	Purina Liquid Sulfa-Nox	Willimantic: Ralston Purina Co.	3.21	3.60
J.S.-264	Same Brand	Sharon: George H. Wilbur	3.21	3.50

**West-Nesbitt, Inc.,
Oneonta, N. Y.**

W.S.-330	West-Nesbitt Sulfaquininoxaline Pure Feed Starting Mash	Wallingford: L & H Feed Co.	0.0175	0.0165
----------	---	-------------------------------------	--------	--------

**The Yantic Grain & Products Co.,
Norwich, Conn.**

W.S.-349	Big Y Aureomycin Mix	Stepney: Stepney Big Y Feed Store	0.0250	0.0246
W.S.-352	Big Y Coccidiosis Control	Stepney: Stepney Big Y Feed Store	0.100	0.095
W.S.-358	Big Y Sulfaquininoxaline Improved Starter & Broiler	Danbury: Danbury Big Y Feed Store	0.0175	0.0161
W.S.-357	Big Y Sulfaquininoxaline M & O Growing Feed	Danbury: Danbury Big Y Feed Store	0.0125	0.0158
W.S.-351	Big Y Sulfaquininoxaline Super Starter & Broiler	Stepney: Stepney Big Y Feed Store	0.0175	0.0180
W.S.-359	Same Brand	Danbury: Danbury Big Y Feed Store	0.0175	0.0163

¹3-Nitro-4-hydroxyphenylarsonic acid: Guaranteed, 0.005 per cent; found, 0.005 per cent.

TABLE 4. ANALYSES OF NITROPHENIDE FEEDS, 1953

No.	Manufacturer and brand	Retail dealer	Nitrophenide per cent	
			Guaranteed	Found
The Berkman Grain & Coal Co., North Franklin, Conn.				
6588	Arsanilic Acid and Nitrophenide in Nibco Five Star Broiler Mash	Putnam: Peter J. Markowitz	0.0250	0.0248 ¹
6845	Same Brand	Plainfield: Max Zolandek	0.0250	0.0249 ²
Chas. M. Cox Co., Boston, Mass.				
W.S.-326	Wirthmore Nitrophenide Plus 2 M Broiler Feed ..	New Haven: R. G. Davis & Sons	0.0200	0.0180
W.S.-341	Same Brand	Branford: S. V. Osborn	0.0200	0.0266
Maritime Milling Co., Inc., Buffalo, N. Y.				
W.S.-363	B-B Ma-Co Nitrophenide Arsanilic Acid Broiler Ra- tion	Bridgeport: Savitt Grain Exchange	0.0187	0.0144³
Fred C. Morse & Son, Guilford, Conn.				
W.S.-342	Old Mill Megasul Growing Mash	Guilford: Fred C. Morse & Son	0.0220	0.0220
W.S.-344	Old Mill Megasul Starting Mash	Guilford: Fred C. Morse & Son	0.0220	0.0209
W.S.-343	Old Mill Megasul Super Broiler Mash	Guilford: Fred C. Morse & Son	0.0220	0.0216
Unity Feeds, Inc., Boston, Mass.				
3335	Unity Feeds Nitrophenide Mixture in Super Ration	West Willington: Hansen's Store	0.0150	0.0128
3336	Same Brand	West Willington: Hansen's Store	0.0150	0.0237
The Yantic Grain & Products Co., Norwich, Conn.				
W.S.-350	Big Y Nitrophenide Arsanilic Acid Improved Broiler & Starter	Stepney: Stepney Big Y Store	0.0250	0.0230 ⁴

¹Arsanilic acid: Guaranteed, 0.0095 per cent; found, 0.0103 per cent.
²Arsanilic acid: Guaranteed, 0.0095 per cent; found, 0.0105 per cent.
³Arsanilic acid: Guaranteed, 0.01 per cent; found, **0.0062** per cent.
⁴Arsanilic acid: Guaranteed, 0.0095 per cent; found, 0.0092 per cent.

